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BY APPOINTMENT
TO THE LATE
KING GEORGE V

VETERINARY APPLIANCES



It is our earnest desire to keep prices as low as possible, but we have been forced to make increases in prices, over which we have no control, owing to the National Crisis and the heavy increased cost of manufacture and materials.

ARNOLD & SONS.

ARNOLD & SONS
LONDON.



22500454772

VETERINARY INSTRUMENTS

SECTION 2 : 1938 EDITION



By Appointment to the Late King George V.

CATTLE SECTION

MILK FEVER and TEAT INSTRUMENTS
ABORTION SYRINGES
SERUM SYRINGES
ENEMA PUMPS
ETC.

ARNOLD & SONS

(SAVORY & MOORE LTD.)

Makers of Veterinary Instruments and Appliances.

Showrooms : 50/52, WIGMORE STREET, W.1

**Veterinary Dept.,
STANDARD WORKS, LAWRENCE ROAD, TOTTENHAM
LONDON, N.15, ENGLAND.**

Telegrams :
VETERINARY DEPT :
"Nusalin, Southtot, London,"
SHOWROOMS -
"Instruments, Wesdo, London."
Code, Bentleys.

—
ESTABLISHED
1794,
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Telephones :
VETERINARY DEPT :
Stamford Hill 3456 (5 lines)
SHOWROOMS -
Welbeck 5555 (15 lines)
Private Branch Exchange.

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	1938
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ARNOLD & SONS have pleasure in presenting the Second Section of their
ILLUSTRATED CATALOGUE OF VETERINARY INSTRUMENTS AND APPLIANCES.

Having been established over a Century is evidence that their Instruments have been fully appreciated, and as they are ever the first to adopt any suggested improvement, or carry out original ideas, they hope still to receive the same patronage that has at all times been extended to them.

Quality Guaranteed.

Only the best and most experienced **English** workmen are employed in **Arnold & Sons'** Factory, and every Instrument so manufactured is most carefully examined and tested before leaving their Establishment, thus enabling them to guarantee every article purchased to be of the latest construction, best quality of material, and the highest possible finish.

Prices.

The prices affixed are extremely moderate, taking in consideration the *superior* material and workmanship, and will bear favourable comparisons with other lists.

Foreign Orders.

Orders from abroad must either be accompanied by a remittance or an order for payment in London, and it is requested that when orders are sent through an Agent, it be distinctly stated Instruments are to be obtained direct from Arnold & Sons, as articles of *inferior* quality are frequently substituted and represented as of their manufacture.

Alterations in Prices.

All prices of articles enumerated in this Catalogue are subject to alteration without notice.

Fragile Instruments.

Every possible care is taken in packing all goods, and **Arnold & Sons** respectfully beg to give notice that they cannot hold themselves responsible for any breakage in transit.

Terms.

First Order should be accompanied by remittance. Cheques to be crossed "Barclay's Bank," and Post Office Orders to be made payable at Chief Office. Accounts will be opened on receipt of two Trade references. Accounts are due within seven days of receipt of Statement.

Genuineness.

Instruments are stamped **Arnold & Sons, London**, as a guarantee that they are *English* and not *foreign* manufacture.

Honours, etc.

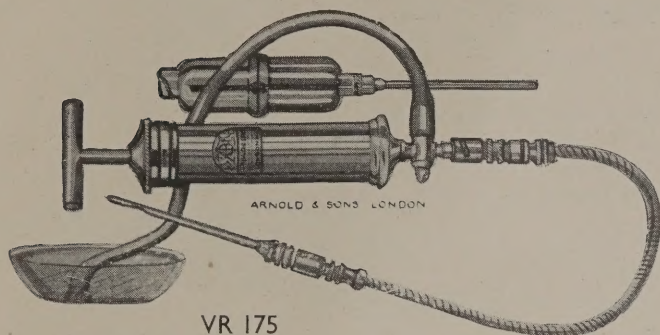
ARNOLD & SONS is the only Firm of Instrument Manufacturers honoured with Royal Warrants of Appointment.

ARNOLD & SONS do not accept responsibility for any article left for repairs, alterations, or for other purposes not taken away within six months, nor for any article above the value of £2, unless such value had been declared when being entrusted to them.

All Orders for Veterinary Instruments should be sent to Tottenham, as this will save delay.

TEAT INSTRUMENTS

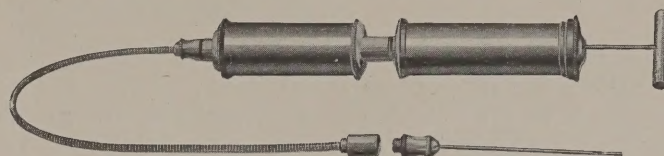
MILK FEVER OUTFITS



VR 175

MILK FEVER OUTFIT.

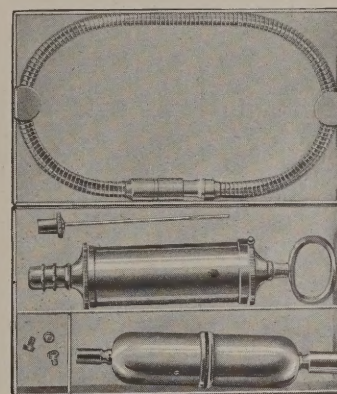
All Metal, with spiral tubing, valves, two tubes, complete in japanned tin box ... each **35/6**
This outfit can be used for air and solution and all joints are fitted with bayonet catch mounts.



VR 176

MILK FEVER OUTFIT.

For pumping air only, with screw joints, fitted with two pipes, complete in japanned tin box each **25/-**



VR 177

VR 177

MILK FEVER OUTFIT.

Standard Quality. British Made. With flexible tubing, one teat tube, plug in mounts. Complete in japanned tin box ... each **22/-**

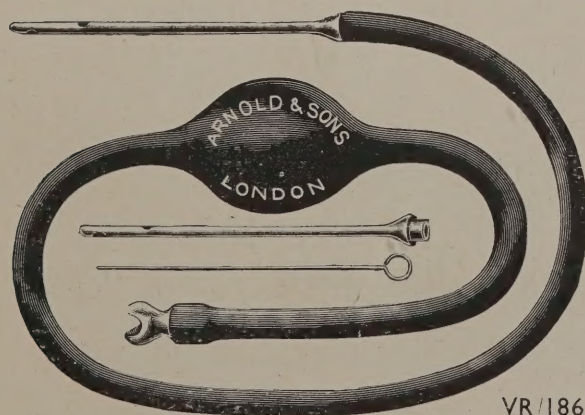
SPARE TEAT TUBES.

VR/178	With Bayonet fitting	...	each	5/6
VR/179	With Screw fitting	...	"	5/6
VR/180	With Plug on fitting	...	"	4/6

SPARE FLEXIBLE TUBING.

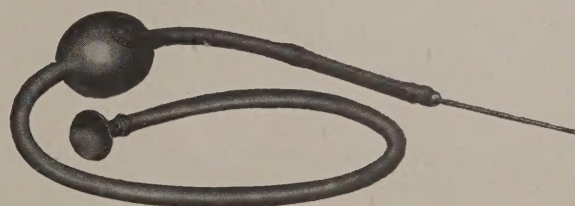
VR/181	With Bayonet fitting	...	each	9/6
VR/182	With Screw Fitting	...	"	9/6
VR/183	With Plug on Fitting	...	"	8/6

VR/184 Spare Packet of Sal Alembroth Wool for above to replenish the Wool Chamber, per 4 oz. packet. ... each **1/-**



VR/186

The "Reliance" Milk Fever Syringe in Box.



VR 185

The "Facilis" Milk Fever Syringe, with suction valve. Complete with Teat Tube in Box. each **7/6**

Prices for V.R. 186—

VR/186	1st Quality	...	...	each	6/6
VR/187	2nd Quality	...	...	"	4/6
VR/188	3rd Quality	...	...	"	3/-

ARNOLD & SONS

TEAT INSTRUMENTS

MILK FEVER OUTFITS (Continued).



VR/189

VR/189 The above Outfit comprises of ordinary Cycle Inflator into which is screwed a Wool Chamber fitted with a Flexible Tube and Teat Tube. All parts Brass Nickel Plated Price complete as illustrated

VR/190 Combined Wool Chamber and Flexible Tube with Teat Tube without Inflator. each 6/6
each 5/-



VR/191



VR/192

MILK FEVER OUTFITS

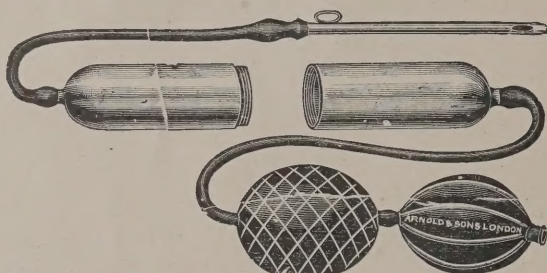
VR/191 For Air, all metal, with spring metal pump, wool chamber, flexible metallic tubing and teat tube, in card box ... each 7/6

THE "ADAPTABLE" MILK FEVER SYRINGE



VR/192

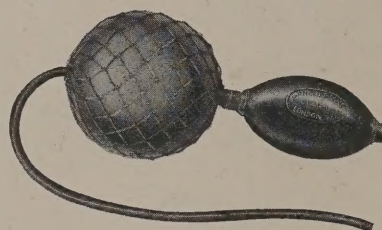
For solution, very easy to handle ... 8/6 each



VR/193

VR/193 For Air, Superior quality, with metal wool chamber and rubber bellows, complete in box ... 12/9 each

VR/194 Ditto Medium quality ... 10/9 each

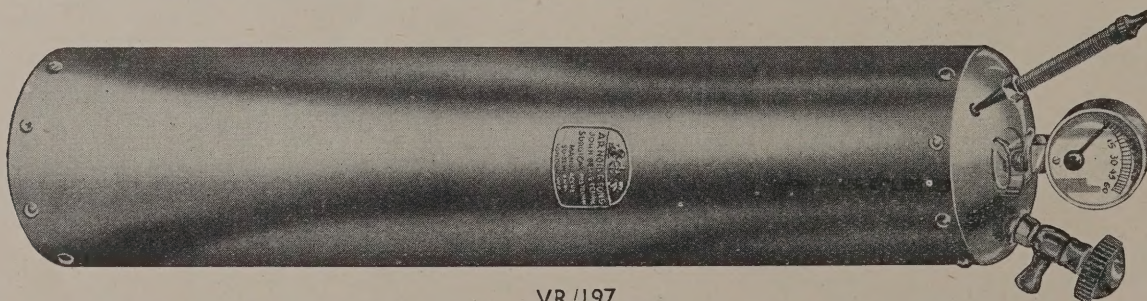


VR/195

Single and Double Bellows. Six sizes. Best Quality.

No.	1	2	3	4	5	6
VR/195 Double Bellow	3/6	4/-	4/6	5/-	5/6	6/- each
VR/196 Single Bellow	3/-	3/9	4/-	4/6	5/-	5/6 each

Spare Tubes for Teat on Fig. VR/192, VR/193, VR/194 ...	1/6 each
Spare Tubes for Teat on Fig. VR/189 ...	3/6 "
Spare Tubes for Teat on Fig. VR/190 & VR/191 ...	3/6 "
VR/196 4 oz. Packets of Sal Alembroth Wool ...	1/- "



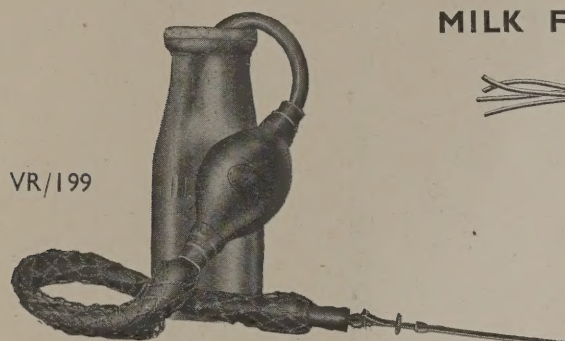
VR/197

COMPRESSED AIR CHAMBER.

Mr. Collets' pattern, suitable for use with Milk Fever Apparatus, or Chloroform Inhalers. Used in place of Rubber Bellows or Metal Pumps ... £3 10 6 each

TEAT INSTRUMENTS

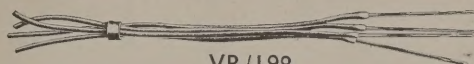
MILK FEVER OUTFITS (Continued.)



VR/199

GARGET OUTFIT

VR/199 With double channel tube. For washing out or dilating the udder. Complete with Syringe each **15/6**



VR/198 MILKING TUBES

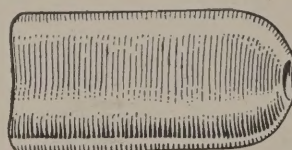
Sets of 4. Nickle-plated, attached to rubber tube. American pattern
7/6 set of 4.



VR/200

EVER'S TEAT COMPRESSORS

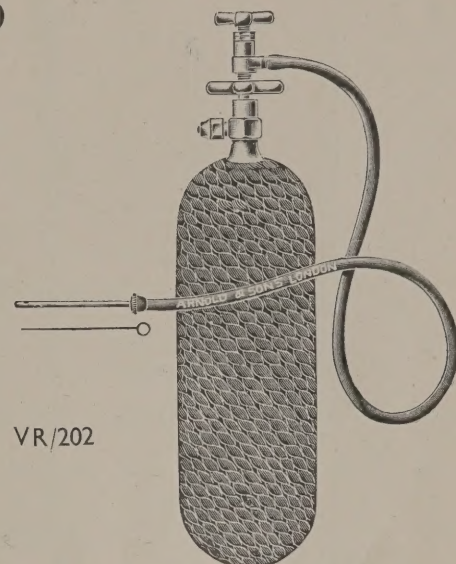
Metal Rings, with rubber band for closing leaking teats. 6d. each; 5/6 doz.



VR/201

STOUT RUBBER TEAT COMPRESSORS

For closing leaking teats. 6d. each; 5/6 doz.

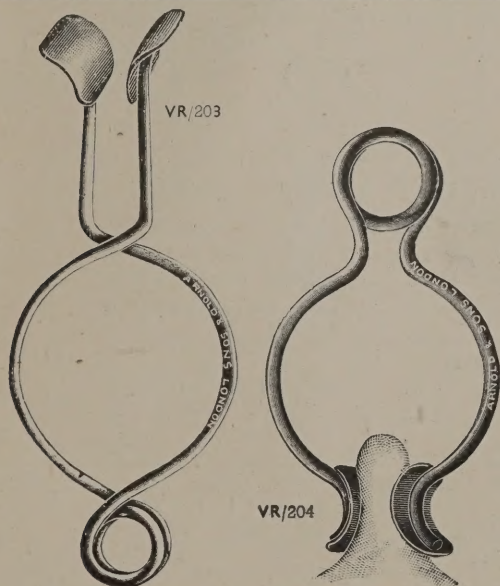


VR/202

MILK FEVER OXYGEN APPARATUS

With 10 cubic feet cylinder, enclosed in hemp cover, filled. Complete with Key, Metal Nipple, fine adjusting valve Union, India Rubber Tubing and Teat Tube.

£3 15 6 each



VR/203

VR/204

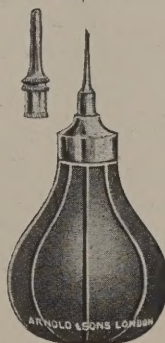
TEAT COMPRESSORS

To prevent escape of air or oxygen from udder.

VR/203 — Nash's improved with cross action 5/- each, or sets of 4 at 18/6

VR/204 — Lloyd's at 5/- each; or sets of four 18/6

VR/205



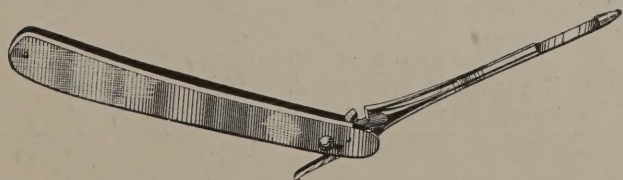
SYRINGE (RAE'S PATENT)

for the treatment of udder-clap, on inflammation of the udder in Ewes, Fig. VR/205 ... 5/6 each

It is of great importance that the trouble should be treated immediately on being noticed, and for this reason the shepherd should always carry an inflator in his pocket.

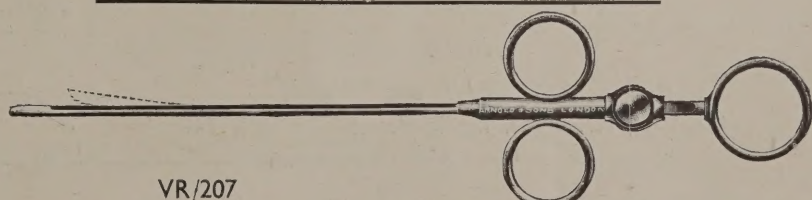
First milk the udder dry, then inflate moderately with air. If taken in time this should be sufficient, but if necessary it may be repeated every second day.

Do not inflate too tightly, as this would force the poisonous matter into the blood.



TEAT SLITTER

VR/206 Folding. Steffien's, with mealt scales and slide. 9/9 each

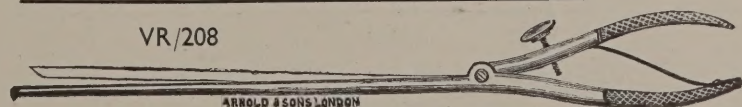


VR/207

TEAT SLITTER

VR/207 Arnold's With 3 rings, concealed ... 14/6 each

VR/208

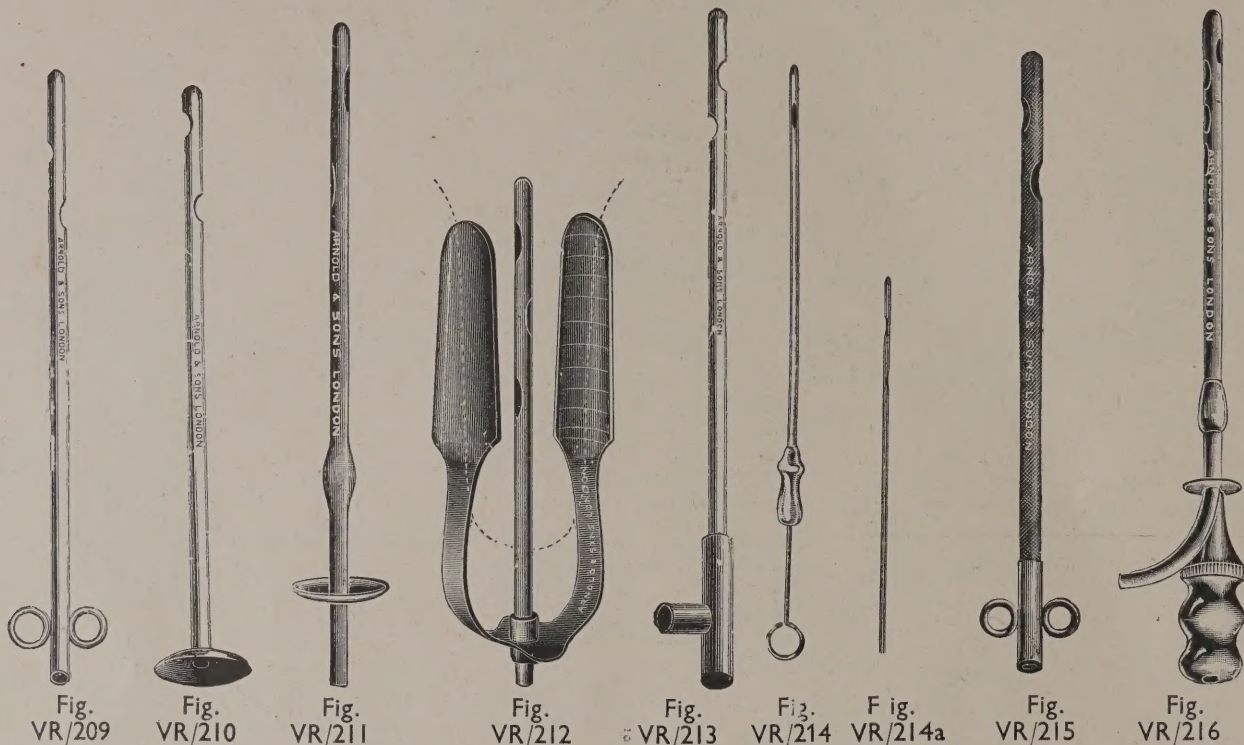


TEAT SLITTER

VR/208 Greene's, concealed ... 16/6 each

ARNOLD & SONS

MILKING TUBES



With Rings, for Cows, Sheep, etc., assorted sizes, Fig. V.R. 209 3", 3½", 4", fine or stout, each 1/-; per doz. 10/6
 With Shield, assorted sizes, Fig. V.R. 210 3", 3½", 4", fine or stout 1/-; per doz. 10/6
 With Shield and Bulb, self retaining, assorted sizes, Fig. VR/211 1/6; per doz. 17/6
 With Side Clips, self retaining, Fig. VR/212 each 4/6
 Arnold & Sons' Improved, with side branch, assorted sizes, Fig. VR/213 ... each 1/6; per doz. 17/6
 With Bulbous End to take rubber tubing, two sizes, fine and stout, for cows
 Fig. VR/214 and 214a for Ewes each 1/6
 Flexible Elastic Gum Web, with Metal Rings Fig. VR/215 each 2/6
 Double Channel, for washing out, Fig. VR/216 each 5/-

Milking Tubes, Silver, self-retaining with screw cap, three sizes, 1½", 2¼" and 3¼"

This tube, by means of its screw thread, can remain fixed in the teat for 6 to 8 days, during which time, at any rate minor defects will generally be healed; otherwise the tube can be removed, and after a proper cleaning, the process repeated.

Fig. VR/217 each 7/6

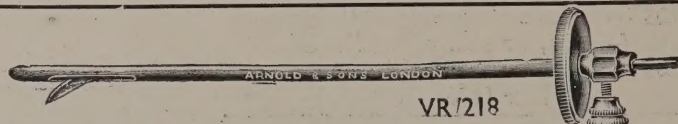
VR/217



VR/218

ARNOLD'S TEAT BISTOURY

For cutting strictures, nickle-plated each 7/6



VR/219

TEAT SLITTER

Australian pattern, concealed, double edged, for enlargements of the teat passages each 11/6

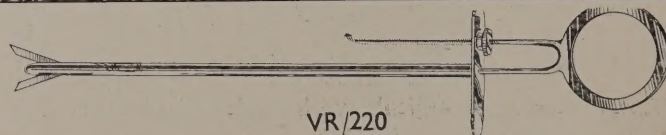


VR/219

VR/220

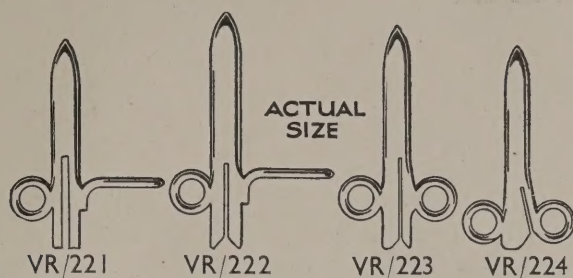
PAPILLOTOME or TEAT SLITTER

With adjustable width of spread each 15/6



VR/220

ARNOLD & SONS



VR/221 to VR/224—Teat End Sphincter Instruments (Stinson's), Patented, per set of four ... 7/6
or Single ... each 3/-

VR/221 Has arm and ring with a wider slot than the others, this is the one, the use of which is indicated for the acute condition of bruised Teat end, also for light milker (natural or acquired).

The teat end is disinfected, and director part of the instrument is forced gently through the sphincter, until the arm and ring prevent further insertion.

The instrument is removed and an attempt is made to draw the milk with the hand in the ordinary way.

If the flow is not a *little more* than that from the opposite teat, the instrument is again inserted, this time the *arm and ring* are placed and pushed up into the depth of the previous incision, and another incision made. The teat is again tried with the hand.

After the first incision the instrument is used by putting it into the previous incision according to the case as long as the flow of milk is unsatisfactory.

The after-treatment consists in keeping the teat end clean with antiseptics and treating as an open wound, remembering that the object is to get "open" healing.

In most cases, Antiphlogistine should be used after each milking, and a bandage applied.

Before milking, the teat end is bathed with some warm antiseptic lotion, and any scab or discharge present, completely removed before milking. This must be done thoroughly, until healing has taken place.

VR/222 Has a narrower and shorter incision slot than VR/221 and is intended for delicate incisions where the skin at the teat end only is tight, causing small stream or straight spray.

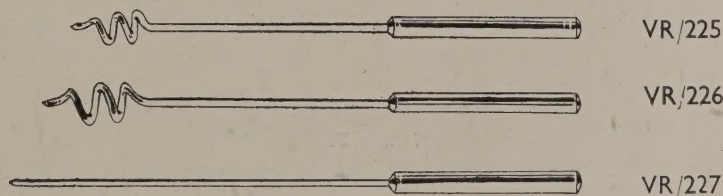
One incision only may be necessary, but it is advisable to be quite sure that the incision is deep enough.

In these cases discretion may be necessary as to whether it is better to use VR/221 or VR/222

The only after-treatment necessary is to *thoroughly* remove the scab at the teat end before milking, and to use some antiseptic.

VR/223 Has the slot at one side, and is useful occasionally when operating upon a badly shaped teat end, and some spray milkers, to direct the flow of milk.

VR/224 Has an oblique slot and used according to discretion in deformed teat end, spray milkers, etc., to direct the flow of the milk.



VR/225 to VR/227—Teat Dilators (Hudson's) Patented, corkscrew pattern, with introducer,
heavily plated ... each 3/-
Per set of three ... 7/6

DIRECTIONS FOR USE.

Sterilize the Probe and Dilator in a hot antiseptic solution—then cleanse and dry the teat. Pass the probe along the duct and push it through the obstruction, aiming for the centre as near as possible. Screw the dilator into the teat and penetrate the hole made by the probe. Having passed through about two turns, withdraw the dilator sharply through the obstruction, holding the end of the teat to prevent it pulling out. Screw the dilator through the obstruction and withdraw again, repeating the operation until it passes freely up and down, then screw it out of the teat. Have the teat drawn at intervals during the day for a day or two after operating, but avoid rubbing or massaging. Have the cow held by the nose and hobble her.

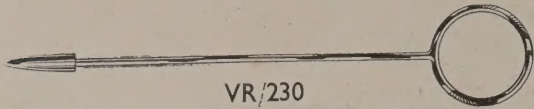
ARNOLD & SONS



VR/228

McLEAN'S TEAT KNIFE

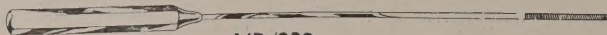
For severing the sphincter muscle of the teat canal.
3 sizes 5m.m. 7m.m. and 9m.m. 5/6 each



VR/230

HUGS TEAT INSTRUMENT

With ring handle. 2, 2½, 3, 3½ and 4m.m. each 7/6



VR/232

PEARSON TEAT REAMER

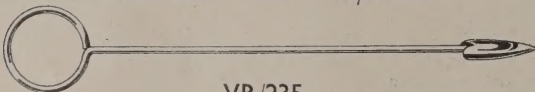
1/9 each



VR/234

ARNOLD'S TEAT REAMER

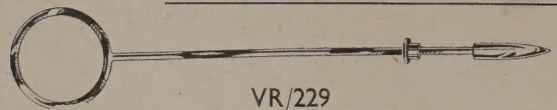
Three Sizes ... 5/6 each



VR/235

ARNOLD'S TUMOR EXTRACTOR

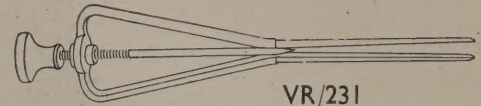
5/6 each



VR/229

ARNOLD'S TUMOR EXTRACTOR

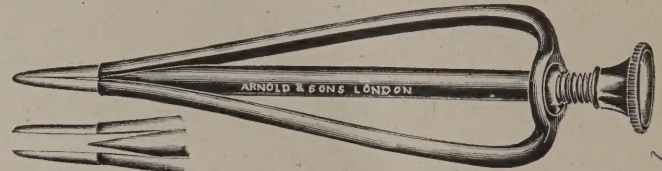
With Slide ... 6/- each



VR/231

ARNOLD'S DILATOR

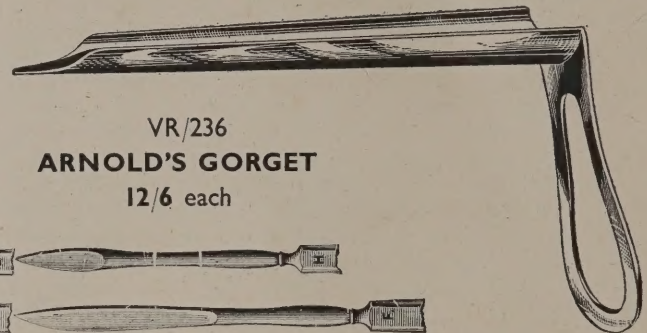
With Screw, long pattern ... 4/9 each



VR/233

ARNOLD'S DILATOR

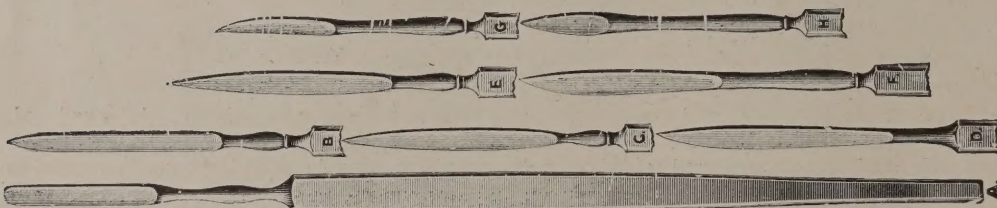
With Screw, short pattern ... 4/- each



VR/236

ARNOLD'S GORGET

12/6 each



VR/237

TEAT KNIVES

With Metal Handles, eight patterns as illustrated—A, B, C, D, E, F, G, H, May also be used as Tendon Knives ... 6/6 each



V.R. 238

LONG FINE TEAT KNIFE

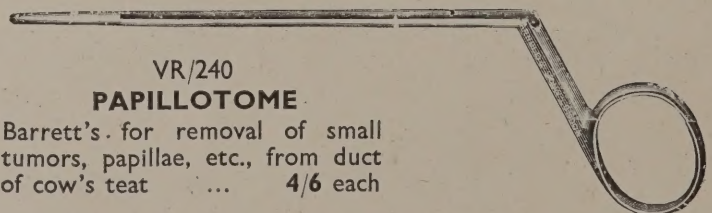
Sharp pointed, forged entirely of solid steel, nickel-plated ... 5/6 each



VR/239

TEAT SLITTER

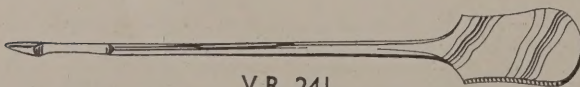
Paiman's Ditch Pattern, 3½, 4, 4½ and 5 mm. thick.
13/6 each



VR/240

PAPILOTOME

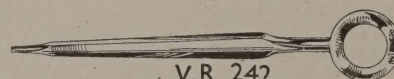
Barrett's. for removal of small tumors, papillae, etc., from duct of cow's teat ... 4/6 each



V.R. 241

TEAT LANCET

Hugs 9/6 each

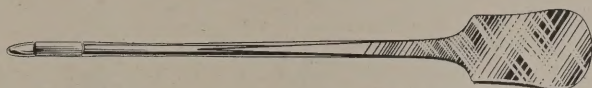


V.R. 242

TRAYONOTOME

French Model ... 6/- each

ARNOLD & SONS



VR/243
TEAT LANCET

Hug-Hoogland's ... 7/6 each



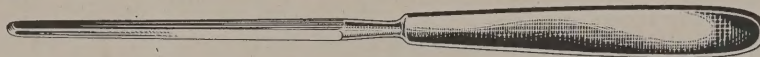
VR/244
TEAT SLITTER

With Ring Handle ... each 11/-



VR/245
TEAT SLITTER

With Channelled Handle ... 6/- each



VR/246
TEAT SLITTER

With Plain Handle ... each 13/6



VR/247
TEAT DILATOR

Dutch Pattern ... 12/- each



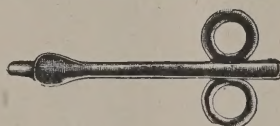
VR/248
TEAT SLITTER

American Pattern, sliding ... each 13/6



TEAT PLUG

Best Bone ... each 1/6



VR/250
TEAT PLUG

Self-Retaining with Rings, Nickel Plated
each 1/6

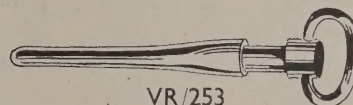


VR/251
TEAT PLUG

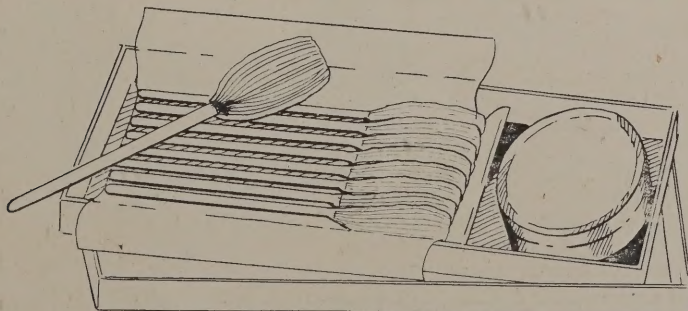
Self-Retaining, with Shield Nickel Plated
each 1/6



VR/252
METAL TEAT EXPANDER
each 1/6



TEAT EXPANDER FOR HARD MILKER
Metal Nickel Plated ... each 1/6



ARNOLD & SONS LONDON

VR/254

ARNOLD'S ANTISEPTIC TEAT BOUGIES

VR/254 Acid Boric ... 1/6 box

Packed as illustrated.

VR/255 HUXLEY'S Teat Bougies ... 2/- box

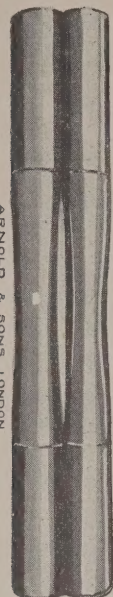
VR/256 CUPRIC Teat Bougies ... 2/- box

Trump's Teat Tumour Remover

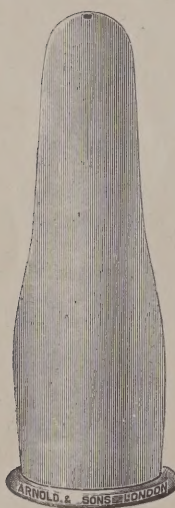
VR/257

An instrument perfected for the removal of teat tumours, that eliminates the cutting, slitting and dressing of wounds.

With a **Trump's Teat Tumour Remover** you can do away with the danger of infection in teat surgery. You simply place the rollers above the obstruction in the teat duct, using enough pressure to completely close the canal and roll it out of the teat **£1 per pair**



ARNOLD & SONS LONDON



VR/260

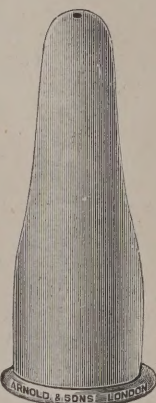
Calf Teats, India-rubber,
VR/261

Lamb Teats
Ditto



VR/261

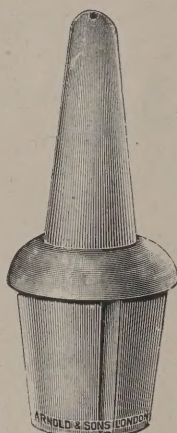
ditto
ditto



VR/262

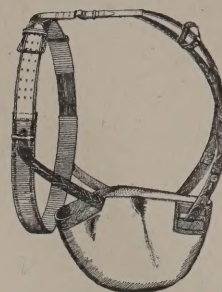
VR/260 and

VR/262
VR/263



VR/263

6d. each
6d. "
6d. "



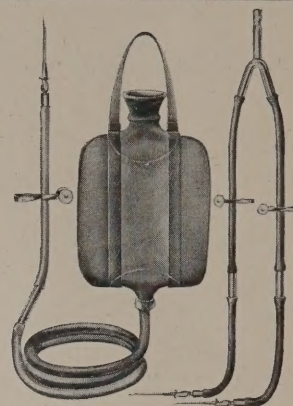
VR/258

NORRIS'S UDDER BAG

For preventing milk-sucking, for protecting sore teats and torn udders and for use in cases of garget.

16/6

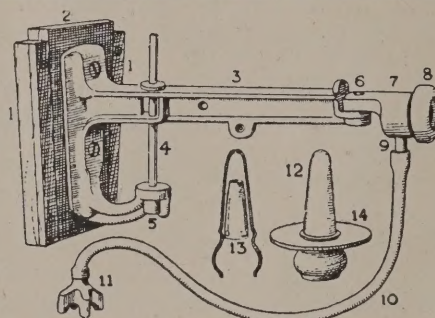
VR/258a Spare bags,
three sizes. 8/6 each



VR/259

LANE'S SALINE INFUSION APPARATUS

Consisting of a boilable rubber bag, 1½ to 2 pt. capacity, and special needle with clip 27/6 or with glass Y piece and two infusion needles with rubber tubing and clips, 19/6. This bag is useful for infusing calcium and magnesium salts and glucose solution.



VR/264

CALF FEEDER

VR 264 Single Improve Pattern
(Red Rubber) 15/9 each

VR/265 Single Improved
Pattern (Black Rubber)
17/6 each

VR/266 (Double—Old Pattern
only) Lamb and Kid Feeders, in
best Black Rubber 9/6 each

VR/267 Lamb and Kid Teats,
in Black Rubber 18/- doz. or
1/9 each

VR/268 Calf Teats, Red Rubber
18/- doz. or 1/9 each



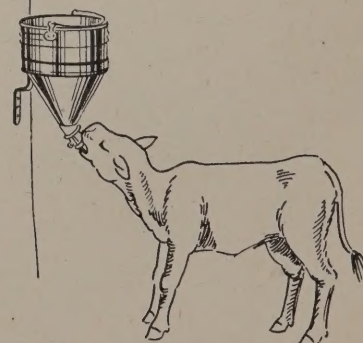
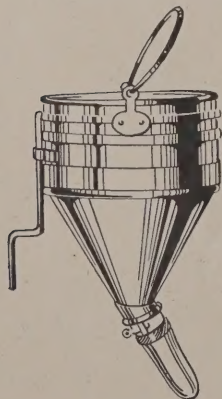
PLEASE NOTE.—In the latest improved patterns, No. 7 and 8 are removable, and being screwed in are easily detached to ensure better cleaning.

THE ARNOLD CALF FEEDER

VR/269

THE ARNOLD CALF FEEDER

With iron wall-bracket. The tin reservoir, 9½ inches diameter, is fitted with an adjustable bracket attachment, and can be raised, lowered or taken right off. It is provided with a handle and a strong rubber teat as near as possible to the shape and size of a cow's teat. A small rubber ball is supplied with the apparatus, which floats on top of the milk and acts as a stopper to prevent the calf from sucking in air when the vessel is empty **45/-**





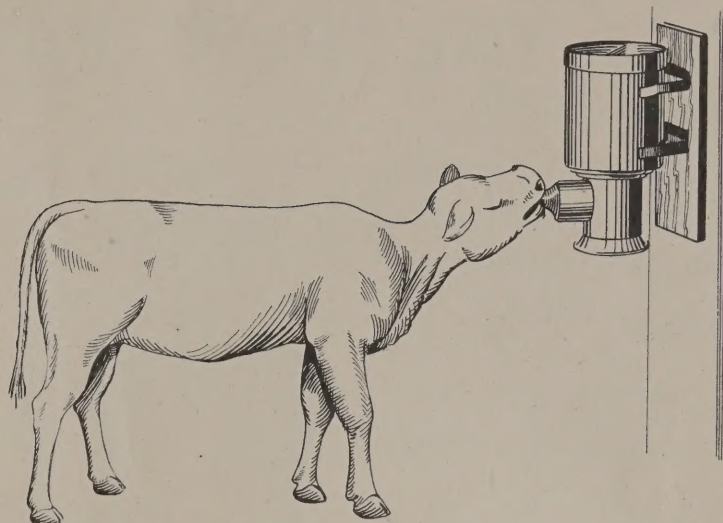
VR/270

MILK SUCKING PREVENTOR

With Spikes in two sizes.

VR/270 Small Calf Size ... 12/6 each

VR/271 Large Cow Size ... 13/6 ..

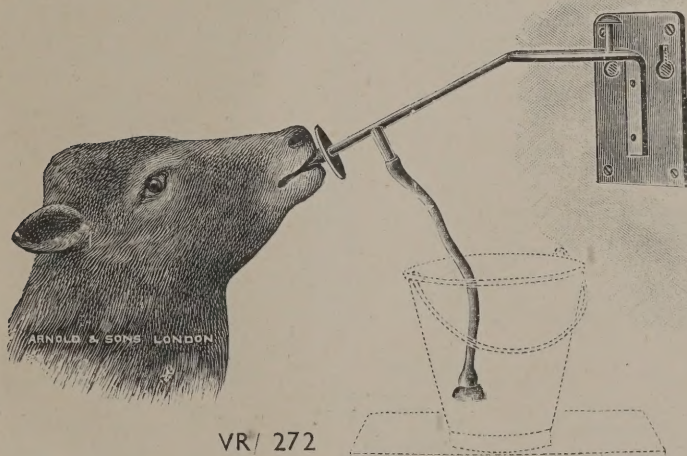


VR/274

CALF FEEDER APPARATUS

Arnold and Sons Improved Pattern.

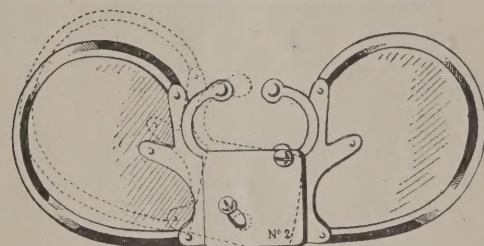
£3 5 0 each



VR/ 272

Arnold's Pattern **CALF FEEDER**

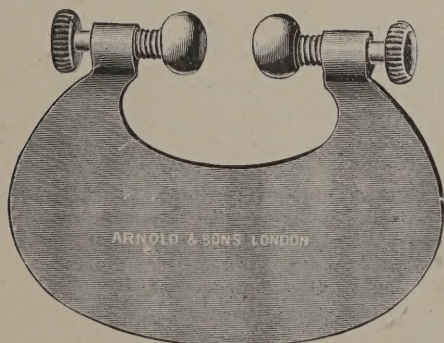
without pail ... each 12/6



VR/275

MILK SUCKING PREVENTER

American Pattern, three sizes. 8/6 each

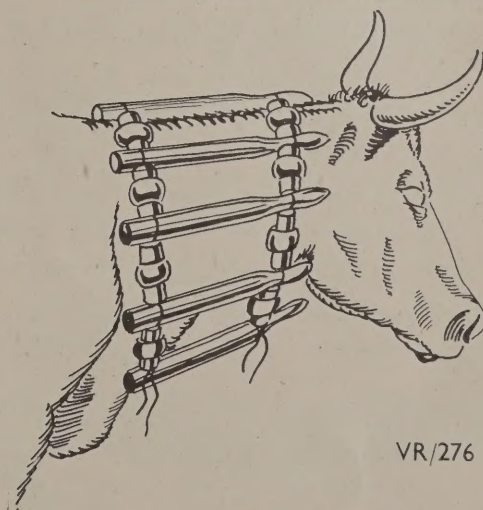


VR/273

MILK SUCKING PREVENTER

Wilson's, aluminium, four sizes.

10/6 each



VR/276

NECK CRADLE FOR COWS

VR/276 With ropes to prevent milk sucking 12/6 each

VR/277 With Leather Straps 16/6 each

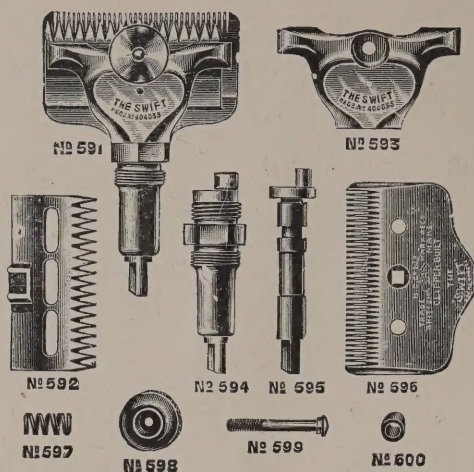
ARNOLD & SONS

THE NEW PATTERN SWIFT

The "SWIFT" CENTRE ADJUSTMENT BALL-BEARING HEAD AND THE COMPONENT PARTS

No. 591 Head Complete, 20/- each.
Fitted with Sheep, Cattle or Horse
Plates, ordinary or fine teeth.

No. 605 Top Plate — for Hogging	4/- each
„ 606 Bottom Plate ditto	10/- „
„ 593 Cap	5/- „
„ 594 Spindle and Handle	10/- „
„ 595 Spindle	5/- „
„ 597 Tension Spring ...	2/- doz.
„ 598 Tension Nut ...	2/- each
„ 599 Centre Pin ...	6d. „
„ 600 Roller	6d. „
„ 592 Top Plate — Horse —Ordinary or Fine	4/- „
„ 596 Bottom Plate — Horse—ditto ...	6/- „



„ 601 Top Plate—Sheep	3/4 „
„ 602 Bottom Plate ditto	4/- „
„ 603 Top Plate—Cattle	4/- „
„ 604 Bottom Plate ditto	6/- „

The Horse Plates are supplied with
ordinary teeth for ordinary clipping,
and fine teeth for Hunters and Polo
Work. All "Swift" Plates are inter-
changeable with the "Swift" Head.

COMPONENT PARTS OF THE "SWIFT" No. 59

	s.	d.
Plugs and Clips for upper portion of Stand	2	0 set
Tube	15	6 „
Spiral Shaft, including End Attachments	0	6 „
Spring Clip and Holder	5	0 „
Spindle and Pinion for Balance Wheel	2	0 „
Stand Tube, Lower Portion with Coupling	1	6 „
Stand Tube, Upper Portion	0	6 „
Spanner	1	6 „
Tripod Legs	2	6 „
Tripod Centre	15	0 „
Wrist Joint	2	0 „
Box Nozzle for Shaft	1	6 doz.
Box Nozzle Screws	3	0 „
Crank Handle and Spindle Complete	8	6 „
Driving Gear and Spindle	12	0 „
Gear Box and Frame	3	0 „
Gear Box Cover	1	6 doz.
Gear Box Screws	7	6 each
Intermediate Gear	12	0 „
Metallic Flexible Cover, including End Furrules	0	3 „
Nut and Bolt for Tripod	0	4 set
Nut and Washer for Crank Handle	9	0 each
Outside Balance Wheel		

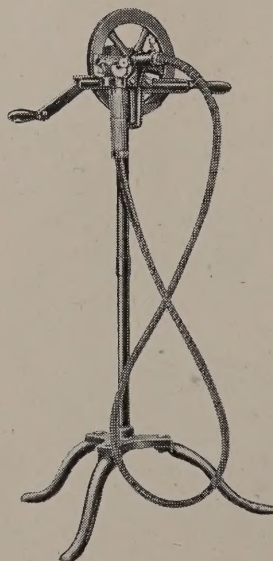
Heavy balance wheel so
finely adjusted that the
machine will even run on
its own momentum after a
few turns.

Gears cut from solid
steel and enclosed in
an oil-bath case built
into the frame of the
machine.

The "Swift" Head
is ball-bearing. Sim-
ple in construction
and the easiest work-
ing head fitted to
any power clipper.

Flexible spiral shaft
which ensures easy
operation at acute
angles without
kinking.

Soundly constructed
frame, not easily
knocked over.



THE New model "Swift" No. 59 meets the demand for an efficient
hand-operated horse-clipper. A glance at the illustration and
descriptions will show that it is first of machines of this type.

The many improvements that have been incorporated in this new
model have resulted in a smoother action which enables high-speed
running without loss of efficiency.

One of the biggest causes of loss of time—the kinking chain—has
been entirely eliminated by the unique spiral shaft which, no matter
if it be operated at the most acute angles, will never kink.

Such smooth, steady action without continual stoppages cannot fail
to result in a perfect clipping.

(The "SWIFT" No. 59)

VR/278

has a ball-bearing head. Fitted with horse
plates complete as illustrated.

Fitted with Wrist-Joint and "Swift"	
Sheep-Shearing Plates	£3 10 0
Fitted with 3-Tooth Sheep-Shearing Head	£5 0 0

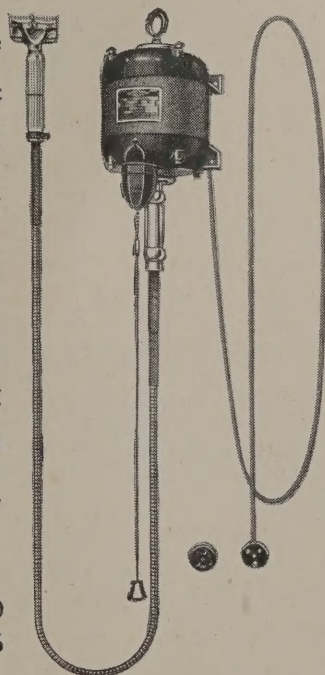
£3:9:0 EACH

All Prices on this Page Plus 15%

THE "EMPIRE" ELECTRIC HORSE CIPPING AND SHEEP SHEARING MACHINE,

The World's Premier Electric Clipper
(Model No. 65) VR/279

The most reliable
and safe Electric
Clipper. Ball
Bearing Motor.
Safety Switch &
safely earthed.
Fitted Swift Head
Hung from ring
or bolted to wall
at no extra cost.



Speed 1400 r.p.m.
12' 3" core.
Earthed cable.
Socket and Plug
supplied with pin
for safety earth.
Supplied for A.C.
or D.C. State
voltage (if A.C.)
phrase and cycle.

Voltage 100-250
A/C £9 15 6
each

Voltage 100-250
D/C £11 4 4
each

FITTED WITH 6ft. SPIRAL SHAFT.

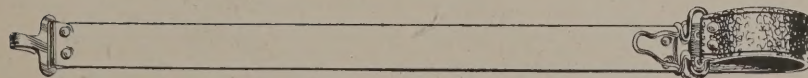
If fitted with 10ft spiral shaft, 11/6 extra

" " " wrist joint 17/6 "

If fitted with 3 tooth Sheepshearing Head £3 3 6

State whether Polo Horse or Cattle plates are required.

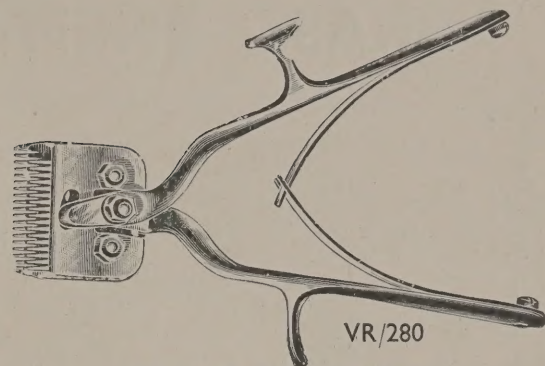
All prices Plus 15%



VR/282

TAIL HOLDER

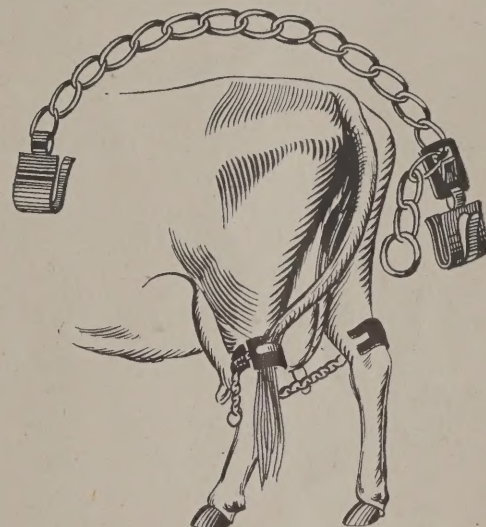
For use when milking ... 5/- each



VR/280

CLIPPING MACHINE

For Cows udder, best quality 16/6 each
VR/280a Cheap Pattern 5/- each.



VR/281

THE "WHEWAY" COW HOBBLE AND TAIL HOLDER

Effectively stops all kicking and tail switching.
Saves time, temper and milk. Insures complete
milking capacity of every cow, every time, and
cannot injure the animal. On and off in a jiffy.

3/- each

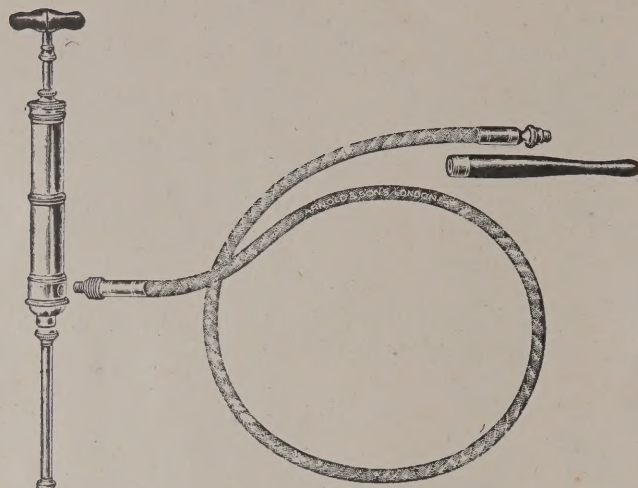


VR/283

LEATHER COW KICKING STRAP

7/6 each

BRASS ENEMA PUMPS & SYRINGES



VR/284

ENEMA PUMP, ARNOLD'S, FOR HORSE OR CATTLE

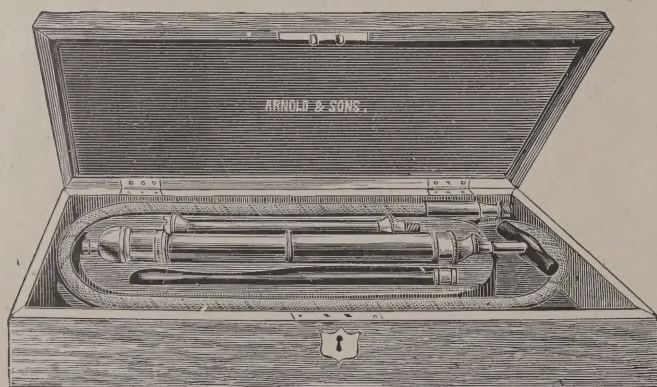
With 6 feet of superior Elastic Gum Tubing, metal Rectal Pipe, complete in Canvas Bag, Best Quality, 70/- each

Second Quality VR/285 ... 60/- each
If the above are fitted with Metal Pistons to Pumps, extra 12/- each

Spare Elastic Gum Tubing, 6 feet long, without mounts, for above VR/286 ... 15/6 each

Spare Heavy Metal Rectal Pipes for above 5/6 each

Spare Aluminium Pipes for above ... 3/6 each



VR/289

ENEMA PUMP (ARNOLD & SONS), HORSE OR CATTLE

Brass, with 6 feet superior elastic gum web tubing, metal rectum pipe, in polished mahogany case, complete £6 5 0 each

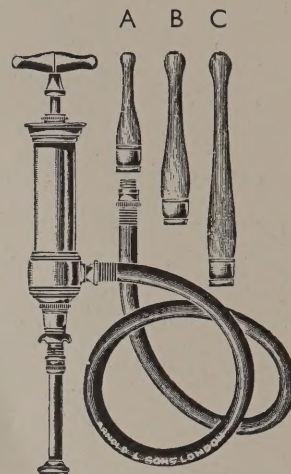
ENEMA PUMP

Winton's, portable, brass, superior quality fitted with three metal pipes, 6 ft. India-rubber tubing, as illustrated, in Canvas Bag.

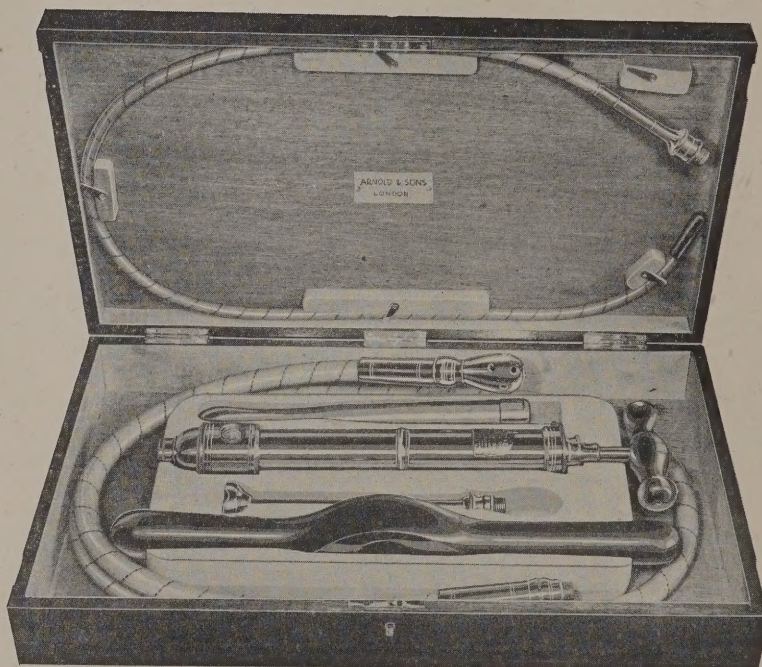
Complete, **Best Quality** VR/287 45/6 each
Ditto, **Second Quality** VR/288 36/6 ..

Spare Heavy Metal Pipes for above, different sizes A. B. and C. 5/6 each

Spare Aluminium Pipes, one size only 3/6 ..



VR/287

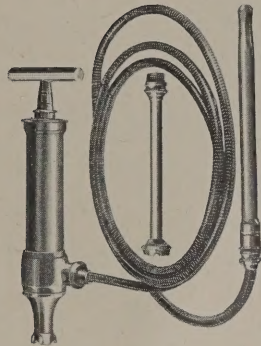


VR/290

ARNOLD'S SUPERIOR QUALITY ENEMA PUMP

Brass, with 6 feet superior elastic web tubing, rectum Pipe, Horse Catheter with brass mount, stomach bulb, mouth gag (Arnold & Sons) modification of Read's), in mahogany case, complete £7 10 6 each

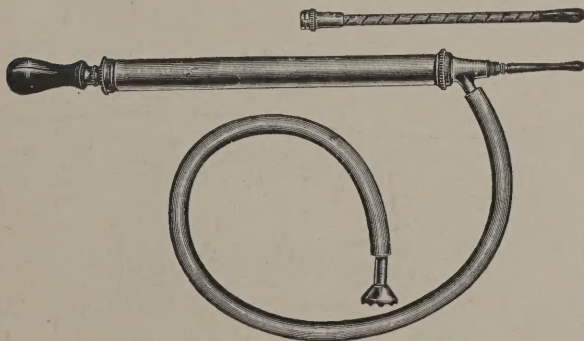
BRASS PUMPS & SYRINGES—continued.



VR/291

ENEMA PUMP (Army Pattern)

Brass, with 6 feet Flexible metal Tubing, and one Metal Rectal Pipe, complete in Canvas Bag, Best Quality	47/6 each
Second Quality, complete in Canvas Bag	42/- each
Spare Heavy Metal Pipe for above, VR/292	5/6 each
Spare Aluminium Pipes for above, one size only VR/292a	3/6 each
Spare Flexible Tubing for above VR/292b	19/6 each



VR/295

SELF SUPPLYING CATTLE SYRINGE

(All Tinned Inside)

Nickel Plated Brass Syringe, capacity $1\frac{1}{2}$ " $\times$ 18" with detachable Nozzle made to take 5" Metal Rectum Pipe and Flexible Abortion Pipe, complete with $4\frac{1}{2}$ ft. of Suction Hose and Strainer, as illustrated. ... 30/- each

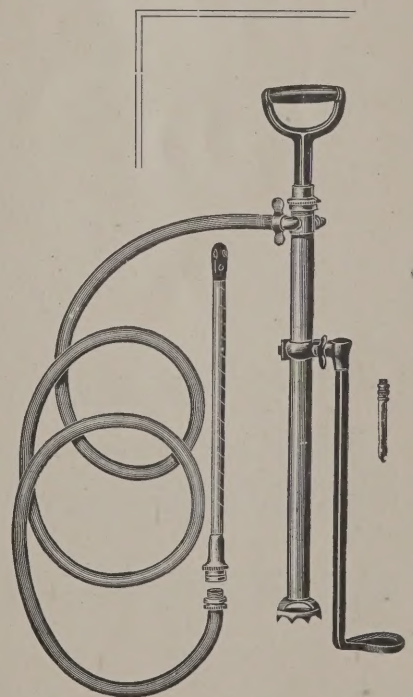
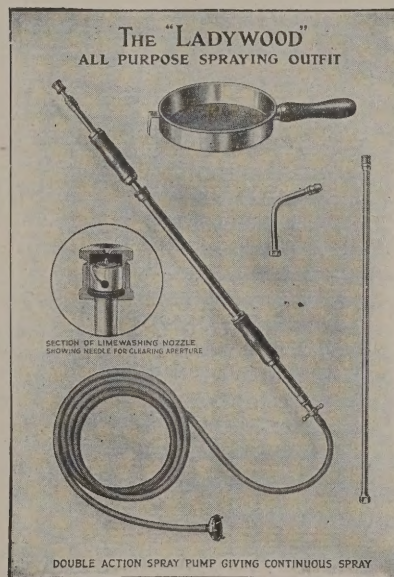
ARNOLD'S IDEAL SPRAYING OUTFIT

Consisting of a continuous action spray pump, fitted with lime-washing needle, spray nozzle, plain jet, 2 ft. brass lance, swivel connection, angle bend, all metal strainer, spanner, metal rectum pipe, bull sheath pipe, flexible abortion pipe, and 10 ft. rubber tubing VR/293 ... 40/- each

MILK FEVER OUTFIT, with wool box to screw on to the pump fitted with teat tube VR/294 ... 6/6 extra

This syringe can be used for spraying fruit and rose trees, or in the greenhouse, lime-washing farm buildings, sties, kennels, etc., spraying creosote in pens, disinfecting dogs and other animals, spraying stock against foot and mouth disease, destroying lice and insect pests, spraying eggs to soften membrane, cleansing windows, washing down motor-cars or for veterinary purposes, for milk fever or as an enema pump, abortion, cleansing bull's sheath, etc.

VR/293



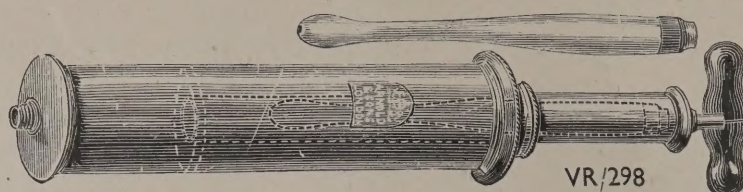
VR/296

NICKEL PLATED BRASS PUMP

With 6-ft. of good quality Rubber Tubing, complete with Malleable Iron Foot Piece Flexible Abortion Pipe and Metal Rectal Pipe and Bull Sheath Pipe VR/296	45/- each
Abortion Pipe only	4/6 "
Aluminium Rectal Pipe	3/6 "
Metal Bull Sheath Pipe	2/6 "

ARNOLD & SONS

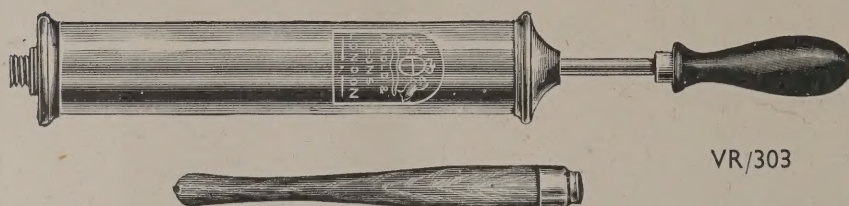
ENEMA SYRINGE, HORSE or CATTLE



VR/298

(Arnold & Sons), with improved cap. Best quality piston box, and metal rectum pipe fitting into inside piston rod for portability,

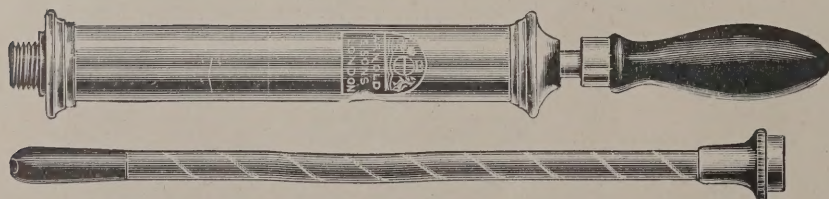
VR/297	complete	3 pints	...	...	£1 19 6	each
VR/298	Ditto	1 quart	...	...	1 19 6	„
VR/299	Ditto, for Foals	1 pint	...	...	1 5 0	„
VR/300	Ditto for Calves	$\frac{1}{2}$ pint	...	...	1 0 0	„
VR/301	Ditto, for Sheep, Dogs, etc.,	$\frac{1}{4}$ pint	...	...	0 16 6	„



VR/303

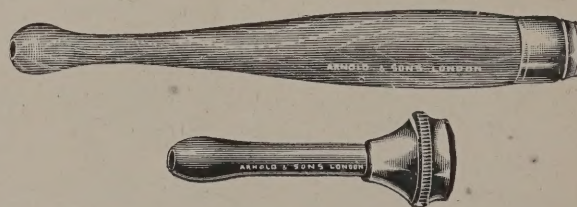
VR/302	—Enema Syringe, Horse or Cattle, brass, with metal rectum pipe, plain pattern	...	1 quart	27/-	each
VR/303	—Ditto Ditto for Foals	...	1 pint	19/9	„
VR/304	—Ditto Ditto for Calves	...	$\frac{1}{2}$ pint	13/6	„
VR/305	—Ditto Ditto for Sheep and Dogs	...	$\frac{1}{4}$ pint	10/6	„
VR/306	—Rectum Pipe, metal, for $\frac{1}{2}$ to 1 pint Syringe	...		5/6	„
VR/307	—Ditto for quart Syringe, heavy pattern	...		5/6	„
VR/308	—Aluminium Rectal Pipe, one size only	...		3/6	„

VR/309



VR/310

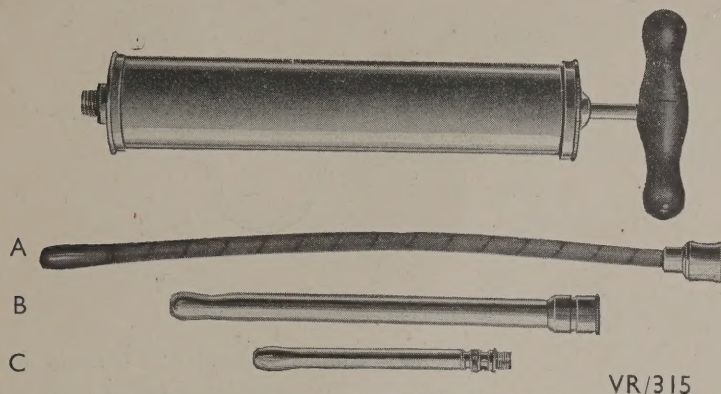
VR/311



VR/312

VR/309 and VR/310	—Abortion Syringe, brass, with long elastic gum tube for washing out uterus, 1 pint	20/6	each
VR/309-12	—Ditto with addition of metal nozzle for bull's sheath and metal rectum pipe	27/-	„
VR/313	—Rectum Pipe, heavy metal (not illustrated)	5/6	„
VR/311	—Ditto Ditto Aluminium	3/6	„
VR/310	—Abortion Tube, elastic gum web	4/6	„
VR/312	—Metal Nozzle, for Bull's Sheath	3/-	„

ARNOLD & SONS



Wound Syringe (Bowles'), Brass, with three metal bulbous pipes, various sizes, one fitting into piston rod for portability.

VR/316 $\frac{1}{2}$ pint, ... 18/6 each

VR/317 Ditto, plain pattern. $\frac{1}{4}$ pint, 16/6 each

ARNOLD'S COMMON PLAIN PATTERN ABORTION SYRINGE

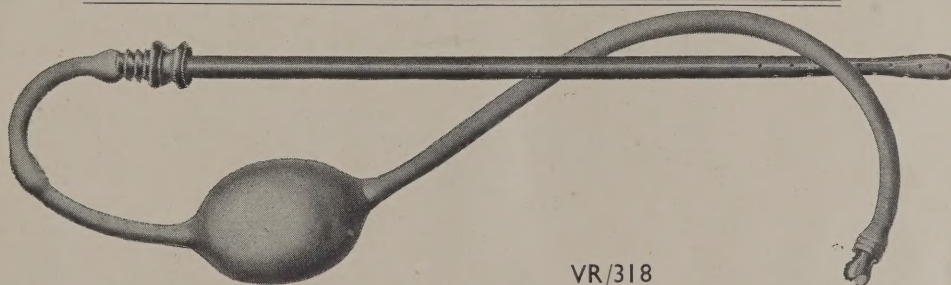
Fitted with 3 pipes, A. B. and C. Quart size VR/314 30/6 each

Fitted with 3 pipes A. B. and C. Pint size VR/315 22/6 each

A. Abortion Tube 4/6 „

B. Metal Rectum Pipe 3/6 „

C. Bull Sheath Pipe 3/- „

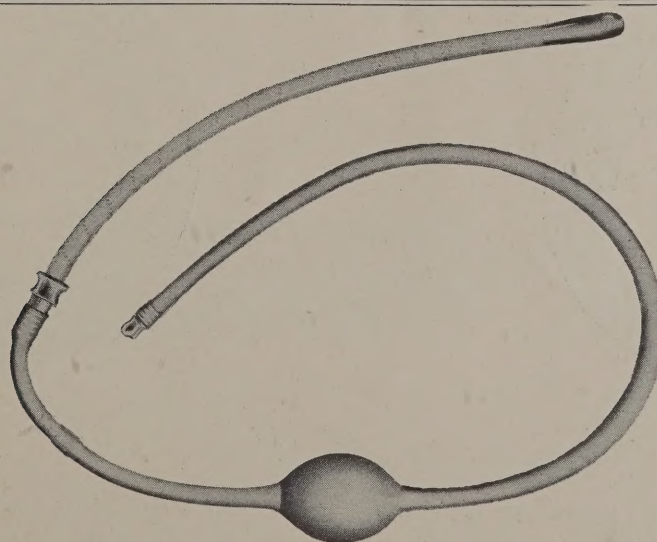


VR/318

UTERINE SYRINGE

VR/318 Smith's Vulcanite, complete with Syringe 18/6 each

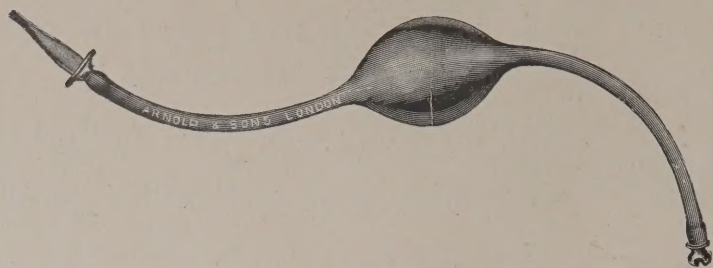
The above pipe was made to the order of Mr. W. F. Smith, M.R.C.V.S., D.V.S., Newmarket, for spraying and douching the vaginal passage and mouth of womb of brood mares and cows, and is a real handy instrument for that purpose.



VR/319

VR/319 Arnolds Rubber Abortion Syringe, fitted with elastic Gum Pipe each 8/6

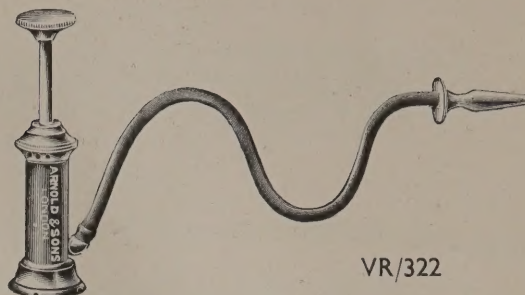
ARNOLD & SONS



VR/320

Syringe, India-rubber, fitted with metal pipe for washing out sheath of stallions, bulls, etc.

Superior quality	VR/320	...	6/6	each
Cheap quality	VR/321	...	5/6	„

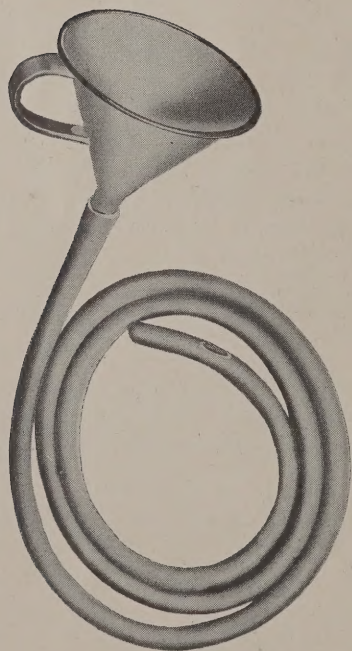


VR/322

Enema Syringe, "Simplex" (Arnold and Sons' Patent), with bone rectal pipe and India-rubber tubing, in tin case, Fig. 150

8/6 each

STOMACH SYPHONS

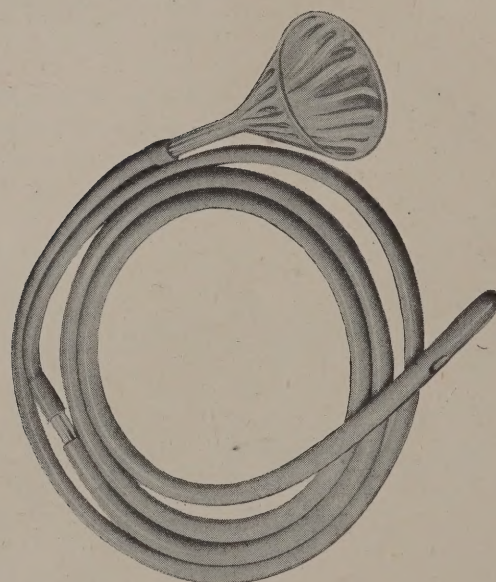


V.R. 323

Enamelled Iron Funnel attached to a 60-inch India-rubber stomach tube, sizes 16 and 17 VR/323 ... 4/6 each

Sizes 18 and 19 ... VR/324 ... 4/9 each

Sizes 20, 22, 23 ... VR/325 ... 5/6 each



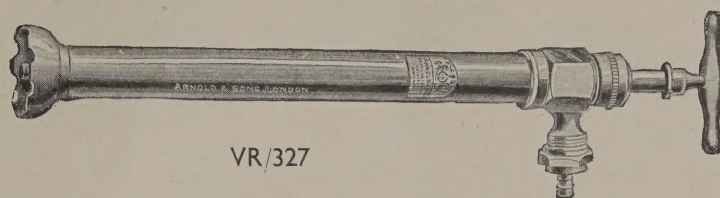
VR/326

Glass Funnel attached to 2 ft. of India-rubber tubing, glass junction and India-rubber stomach tube

(Jaques's) 6/6 each

ARNOLD & SONS

STOMACH PUMPS AND TUBES

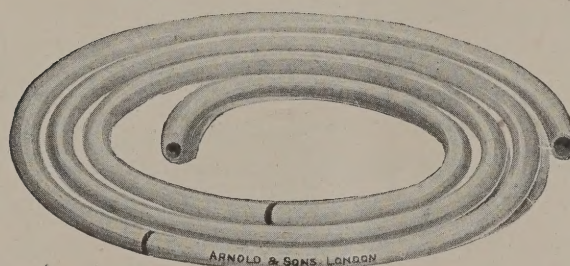


VR/327

STOMACH PUMP, NICKEL-PLATED

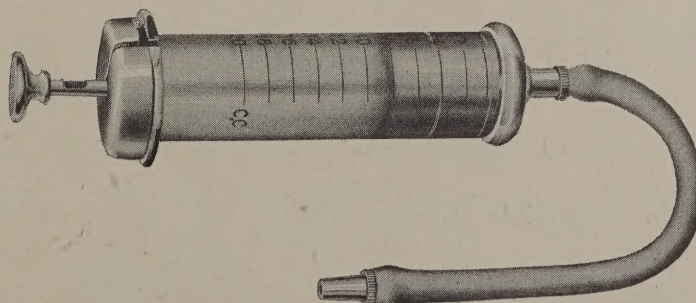
- VR/327 Best quality, extra strong, fitted with corrugated outer barrel to prevent damage to the inner barrel 37/9 each
 VR/328 Plain pattern, second quality 31/- each

HORSE STOMACH TUBES



VR/329

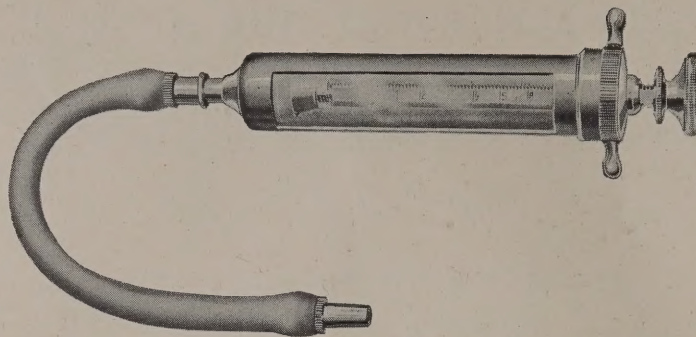
- VR/329 Horse Stomach Tube, Best Grey Rubber (10 ft. lengths) ... 9/- each
 VR/330 Foal or Yearling Stomach Tube, Best Grey Rubber (10 ft. lengths) ... 8/6 ,,
 VR/331 Horse Stomach Tube, Best Red Rubber (10 ft. lengths), ... 10/6 ,,
 VR/332 Foal or Yearling Stomach Tube, Best Red Rubber (10 ft. lengths), ... 9/6 ,,
 VR/333 Sheep Stomach Tubes, Red Rubber, 60 inches long ... 7/6 ,,
 VR/334 Cane Stilettes to use for introducing the above ... 3/6 ,,



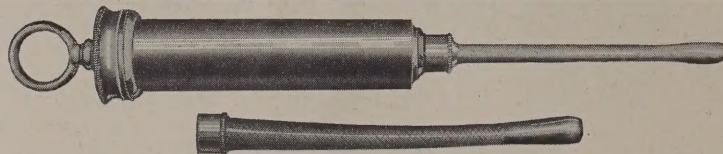
VR/335

- Lamb Dosing Syringe, with India-Rubber tubing, Record Pattern ... each 11/6

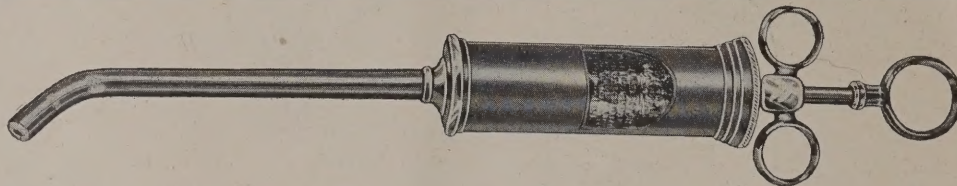
ARNOLD & SONS



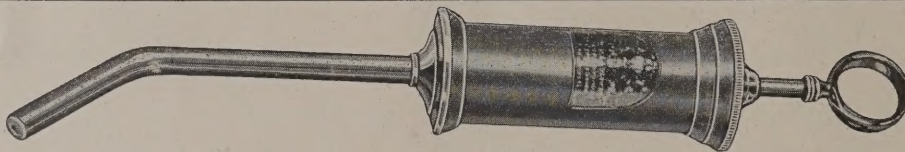
VR/336 Lamb Dosing Syringe, with India-Rubber Tubing, Roux's pattern. 11/6 each (Foreign.)



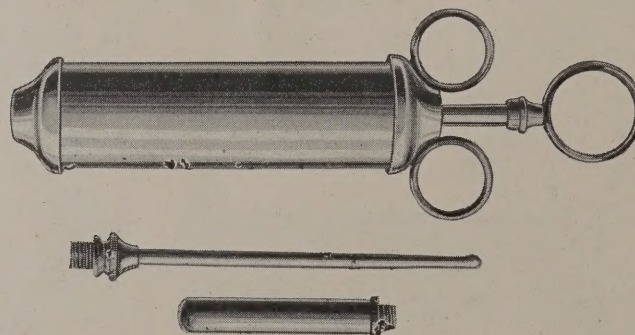
VR/337 Lambing Syringe, Pewter, 2 oz., fitted with flexible gum elastic tube, 5½ ins. long, and soft metal pipe 8/6 each



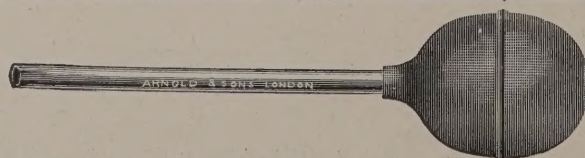
VR/338 Pig Dosing Syringe, 2 oz. capacity, with three rings, Brass Nickel Plated, 7/6 each



VR/339 Pig Dosing Syringe, 2 oz. capacity, with one ring, Brass. 6/6 each



VR/340 Brass Nickel-plated Dosing or Lambing Syringe, 2 oz. capacity with 3 Finger Rings, 1 Long Pipe, 1 Short Pipe. 10/6 each



VR/341 Rubber Ball Dosing or Lambing Syringe, with metal plated Pipe 2 ounce ... 5/- each
VR/342 " " " " " " " " " " 1 ounce ... 4/- "

ARNOLD & SONS



VR/343

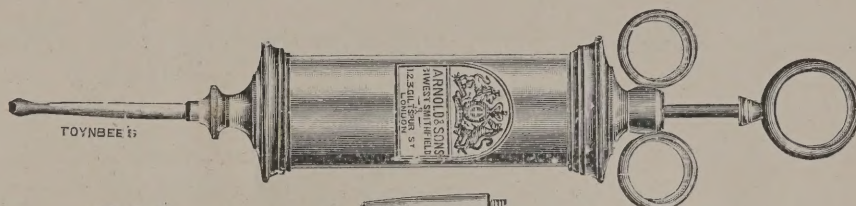
VR/343 Wound Syringe, brass, with conical metal pipe
1 oz., 8/9; 2 oz., 11/-; 3 oz., 12/-;
4 oz., 13/6 each

VR/344 Ditto, Second Quality, British Made
1 oz., 6/6; 2 oz., 9/6; 3 oz., 10/6;
4 oz., 11/6 each

Wound Syringe, Brass, superior quality, with 3 finger rings, fitted with either Toynbee's, Abernethy's or Allen's pipes, VR/345

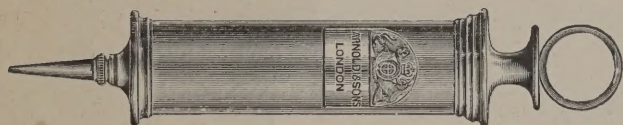
1 oz., 10/-; 2 oz., 12/9; 3 oz., 13/9;
4 oz., 14/9 each.

VR/346 Ditto, Second Quality, British Make
1 oz., 7/6; 2 oz., 10/6; 3 oz., 11/6;
4 oz., 12/6 each.



VR/345

ABERNETHY'S



VR/347

VR/374 Wound Syringe, with metal nickel-plated barrel, metal piston, with wound and quittor pipes, 2 oz., 14/9; 4 oz., 17/6 each

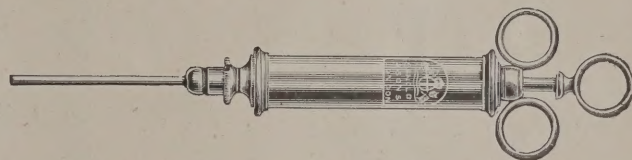
VR/348 Ditto, Second Quality
2 oz., 11/6; 4 oz., 13/6 each

QUITTOR SYRINGE

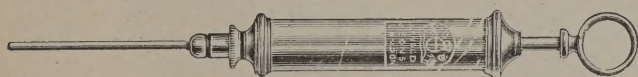
Brass (Arnold & Sons), with finger rings and fitted with cylindrical or taper pipe, VR/349

1 oz., 9/9; 2 oz., 12/9; 3 oz., 13/9; 4 oz., 14/9

Brass (Arnold & Sons), Cheaper Pattern—VR/350
1 oz., 7/6; 2 oz., 10/6; 3 oz., 11/6; 4 oz., 12/6 each



VR/349



VR/351

QUITTOR SYRINGE

VR/351 Brass, with single ring, plain pattern, 1 oz., 8/6; 2 oz., 11/6; 3 oz., 12/6; 4 oz., 13/6

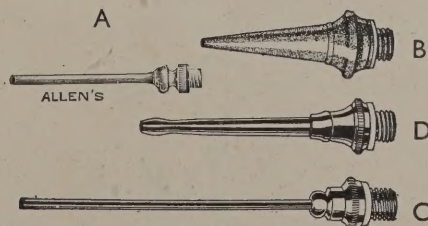
Ditto, Ditto, Cheaper Pattern VR/352 1 oz., 6/6;
2 oz., 9/6; 3 oz., 10/6; 4 oz., 11/6 each

QUITTOR SYRINGE

VR/353 Pewter, ... 1 oz., 3/6; 2 oz., 4/6 each

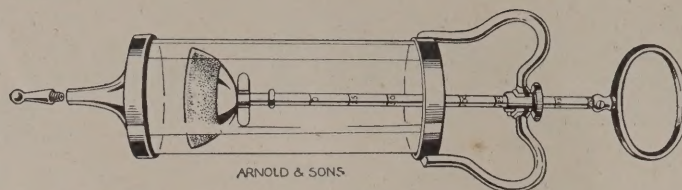


VR/353



Spare Pipes 2/- each

These can be fitted to the above syringes to meet individual requirements (except VR/353).



VR/358

Wound and Bladder Syringes, (*Janet's*), with glass barrel, adjustable Rubber Plunger, 1 conical and bulbous nozzle

VR/354 30 cc. **23/6** each

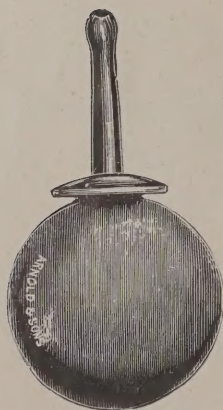
VR/355 50 cc. **25/-** „

VR/356 75 cc. **26/7** „

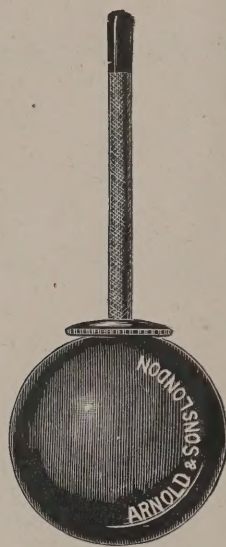
VR/356a 100 cc. **30/-** each

VR/357 150 cc. **32/-** „

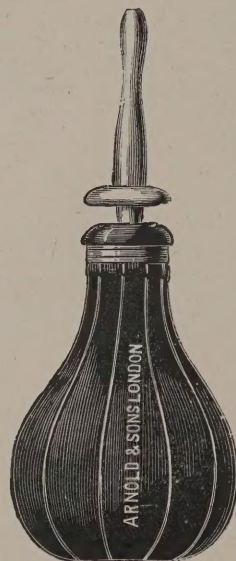
VR/358 200 cc. **35/-** „



VR/359



VR/360



VR/361



VR/362

Enema Syringes, India-rubber, with bone rectal pipes, VR/359

1 oz., **1/9** ; 1½ oz., **2/-** ; 2 oz., **2/6** ; 3 oz., **3/-** each

Ditto ditto with elastic gum web rectal pipes, VR/360

1 oz., **1/9** ; 1½ oz., **2/-** ; 2 oz., **2/6** ; 3 oz., **3/-** each

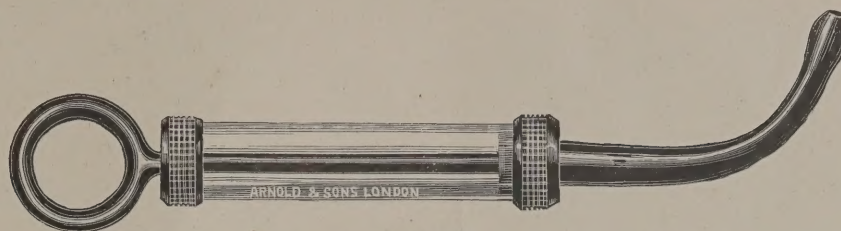
Ditto superior, India-rubber, with bone rectal pipes, VR/361

1 oz., **2/6** ; 2 oz., **2/9** ; 3 oz., **3/-** ; 4 oz., **3/6** ; 6 oz., **4/6** ; 8 oz., **5/-** each
10 oz., **5/9** ; 12 oz., **5/6** ; 16 oz., **6/-** each

Ditto ditto with elastic gum web rectal pipes, VR/362

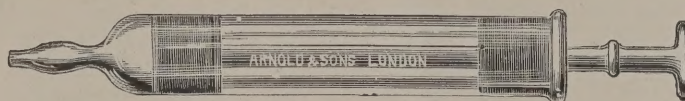
1 oz., **2/9** ; 2 oz., **3/-** ; 3 oz., **3/6** ; 4 oz., **4/-** ; 6 oz., **4/9** ; 8 oz., **5/9** each
10 oz., **6/9** ; 12 oz., **7/6** ; 16 oz., **8/9** each

ARNOLD & SONS



VR/363

VR/363 Vulcanite and Glass Syringe, with curved pipe for administering Oils
For Small Animals. $\frac{1}{2}$ oz., 1/6; 1 oz., 2/-; 2 oz., 3/-



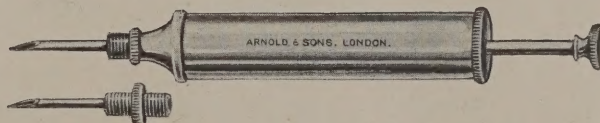
VR/364

VR/364 Wound Syringes, Glass with Best Quality Cotton
Plungers, Bulbous Point.

$\frac{1}{4}$ oz.	$\frac{1}{2}$ oz.	1 oz.	2 oz.	3 oz.	4 oz.	6 oz.
6d.	9d.	1/-	1/3	1/6	2/-	2/9

VR/365 Wound Syringes, Glass with fine point,

$\frac{1}{2}$ oz.	1 oz.	2 oz.	3 oz.	4 oz.	6 oz.
6d.	9d.	1/-	1/3	2/-	2/9



VR/366

VR/366	Blacklegoid Pill Injector, Brass, nickel-plated	...	...	7/6 each
VR/367	Blacklegoid Pills, to use with above, Box of 10 doses	...	...	6/6 per box



VR/368

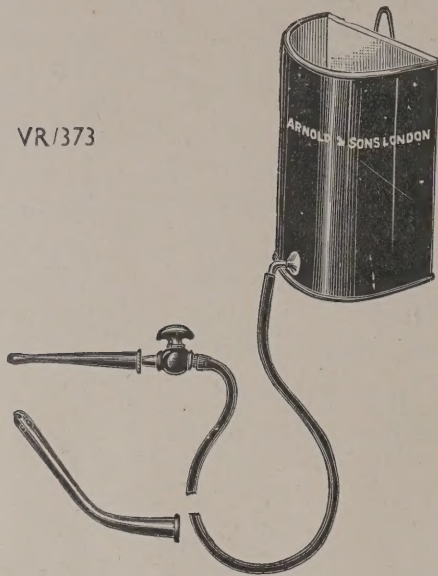
VR/368	Blacklegoid Pill Injector, Improved pattern	...	...	8/6 each
VR/369	Blacklegoid Pills, for above, per box of 10 doses	...	...	6/6 box



VR/370

VR/370 Blacklegoid Injector consisting of Needle and Handle, with Forcep
and Spare Needle for Cord use... each 6/6 each

VR/373



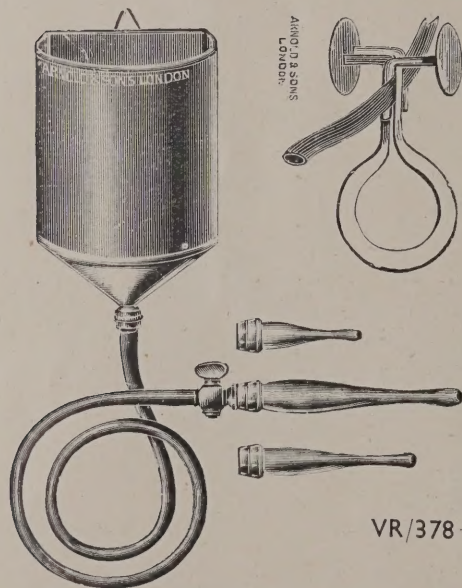
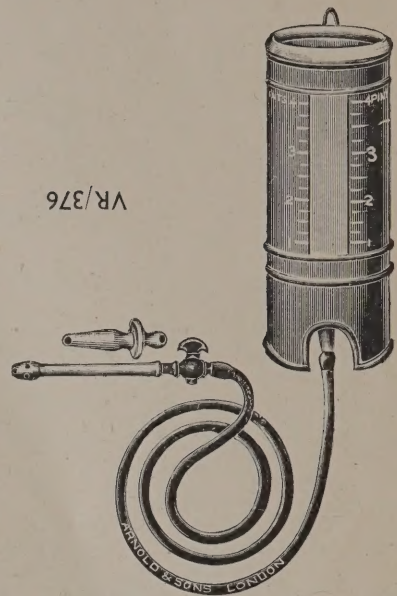
Irrigators, White Enamelled Steel, fitted with 6 feet tubing, Vulcanite Tap, Rectal Pipe and Vaginal Pipe, suitable for small animals. (Foreign).

VR/371	2 pint	...	...	...	3/6	each
VR/372	3 pint	...	...	...	4/-	"
VR/373	4 pint	...	...	...	4/6	"

Irrigators, Glass, in a Metal White Enamelled frame, graduated. (Foreign).

VR/374	2 pint	...	...	...	3/6	each
VR/375	3 pint	...	...	...	4/-	"
VR/376	4 pint	...	...	...	4/6	"

VR/376



ARNOLD & SONS
LONDON

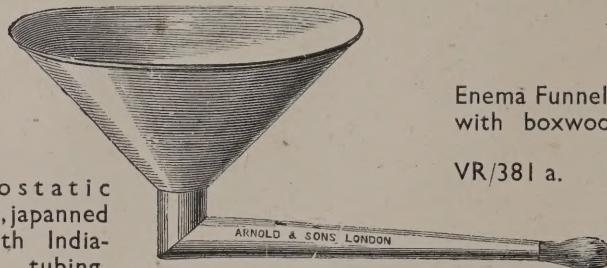
Hydrostatic Douche, japanned tin, with India-Rubber tubing, stop-cock, and 3 assorted rectum pipes, complete,

VR/377	1 gallon,	26/6
VR/378	2 gallons,	31/6

Ditto, fitted with pinch-cock in place of metal stopcock

VR/379	1 gallon,	19/6
VR/380	2 gallons,	36/6

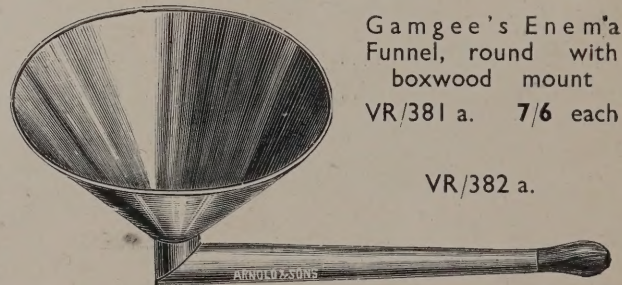
VR/378



VR/381a

Enema Funnel (Dickenson's), oval, with boxwood mount 8/6 each

VR/381 a.

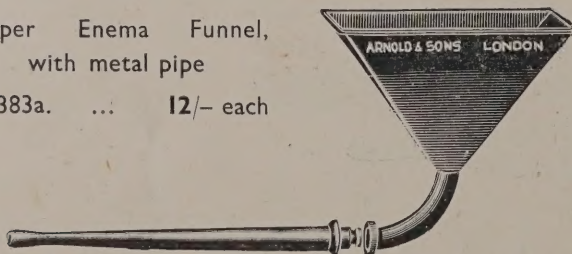


VR/382 a.

Gamgee's Enema Funnel, round with boxwood mount
VR/381 a. 7/6 each

Copper Enema Funnel, with metal pipe

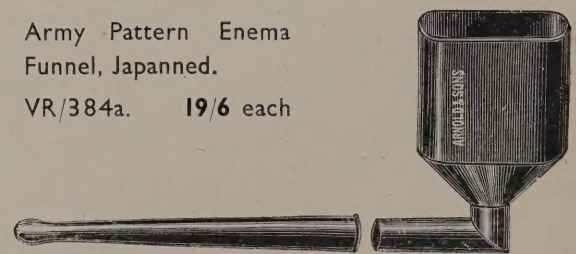
VR/383a. ... 12/- each



VR/383a.

Army Pattern Enema Funnel, Japanned.

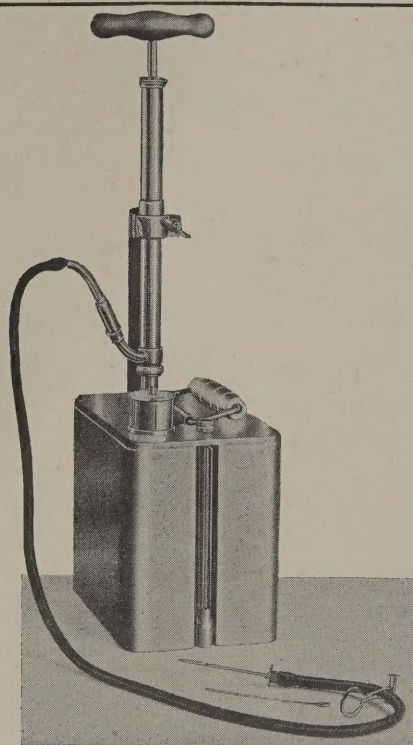
VR/384a. 19/6 each



VR/384a.

VR/385a

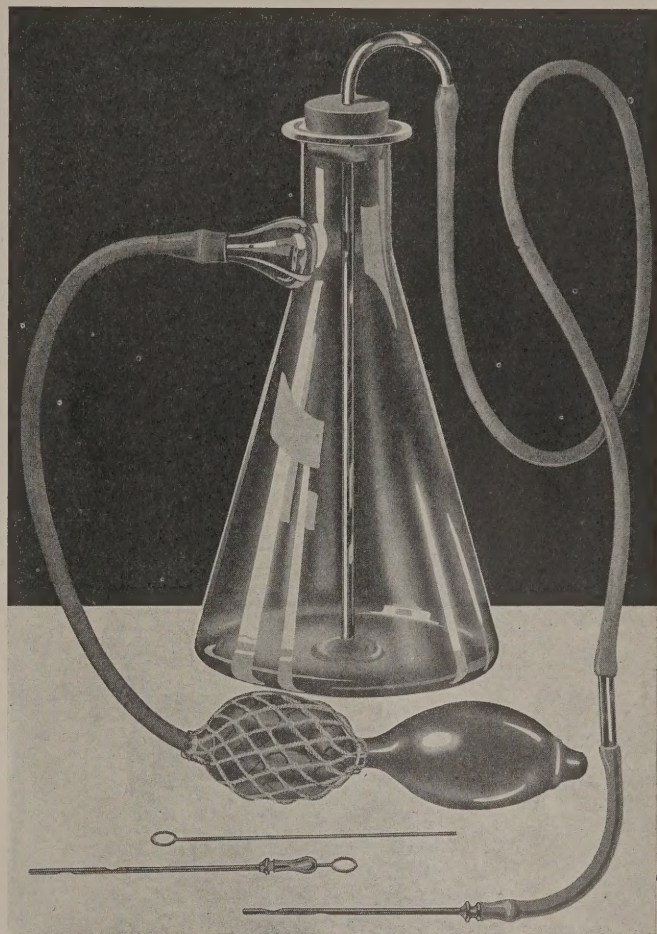
Apparatus for Mass-Vaccination of Cattle against Foot and Mouth Disease **£8 5 0**



VR/386a

THE ENTOZON INFUSION APPARATUS

For Treatment of Streptococcal Mastitis in Cattle, Flask graduated up to 2000cc. complete with two teat tubes **39/6 each**

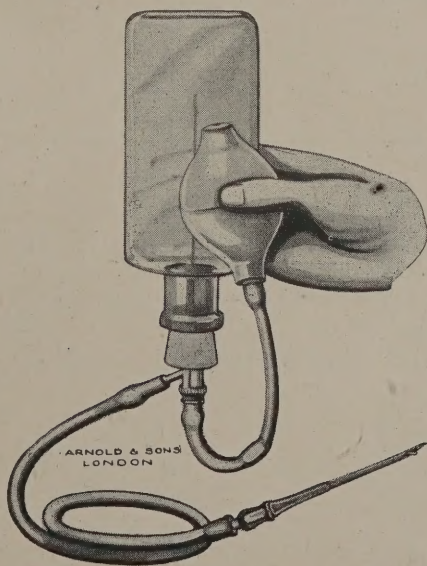


ARNOLD'S INTRAVENOUS APPARATUS **17/6 each** VR/387a (Gravity and Pressure).

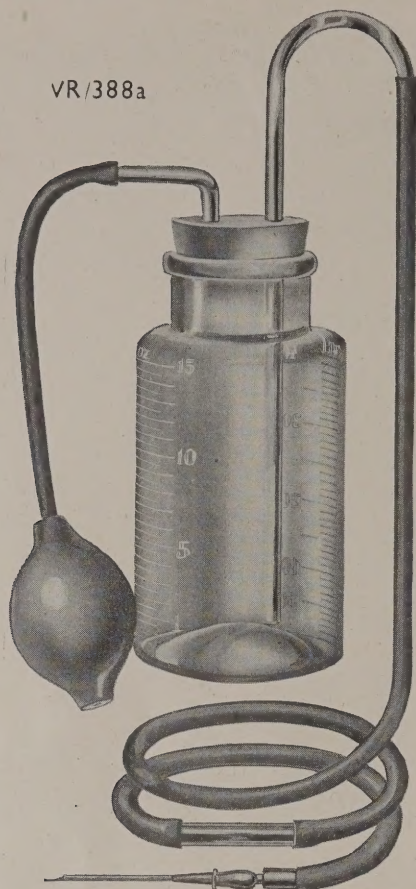
This outfit for intravenous injections consists of one syphon tube and air intake needle combined. Can be readily inserted through any diaphragm rubber stopper. Eliminates necessity of transferring liquid from original bottle. Saves exposure of contents to air and is the last word in sanitation. Easy to operate and practical. Fits any size bottle.

The bottle and bulb can be conveniently held in one hand. A steady flow of liquid is assured by either pressure or gravity.

Directions for Using.—Insert gravity needle through rubber stopper until the shoulder disc rests on stopper. Detach intravenous needle from tube and insert into the vein of animal to be treated. When blood comes out through the needle, adapt the tube to the needle, invert and elevate the bottle to the full length of the tubing. If contents do not start gravitating immediately, one or two compressions of the bulb will start it, after which no further pressure should be used under ordinary conditions. The gravity method of Intravenous Injections is best since most solutions are more or less irritating and that is as fast as the blood can take it up with safety. When the desired amount of solution has been administered, simply lower the container, compress the tube close to its end and detach from the needle. Wait a few seconds until a few drops of blood drip out from the needle, then withdraw it. Sterilize outfit by boiling or with alcohol.

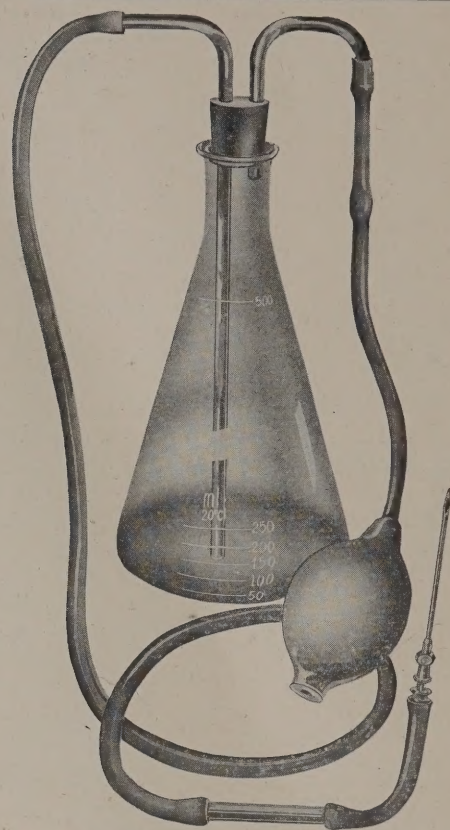


VR/388a



MILK FEVER OUTFIT

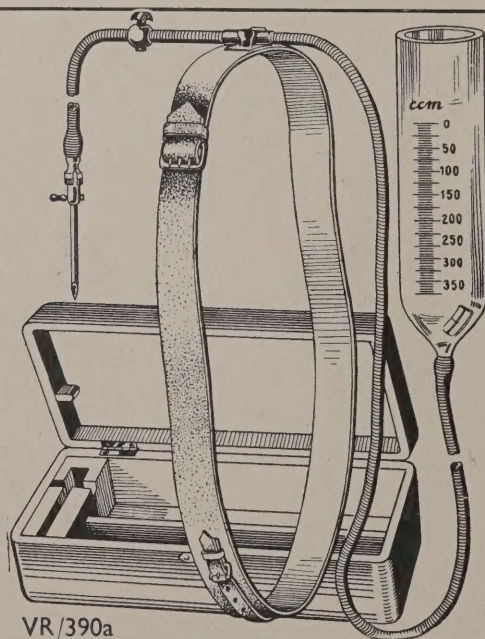
For Injecting Calcium Gluconate as an effective means of preventing or curing Milk Fever
VR/388a ... 19/6 each



VR/389a

INTRAVENOUS OUTFIT

Consisting of a flask, (which can be used for boiling the contents), with two metal tubes, rubber tubing bellows and needle, the whole outfit can be sterilized
VR/389a Graduated to 500 cc. 21/6 each



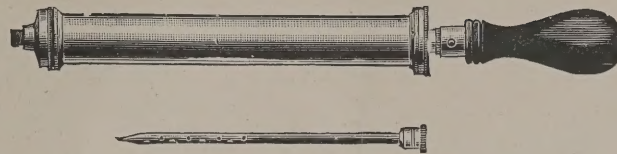
VR/390a

INFUSION APPARATUS (Flatten's)

For Intravenous injections of large quantities of liquids

VR/390a Complete in box 45/-

ARNOLD & SONS

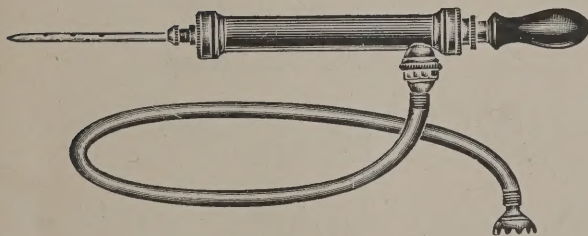


VR/394a

SALTING SYRINGE.

Nickel Plated Syringe with Stuffing Box, well finished. Tinned inside. Barrels of Syringes are so made that each end can be screwed off for cleaning purposes. Special Nickel Plated Needle 7" long supplied, as illustrated with point to screw off.

VR/392a	$\frac{1}{4}$ -pint size	$1\frac{1}{4}" \times 12"$	...	13/6	each
VR/393a	$\frac{1}{2}$	" $1\frac{1}{2}" \times 14"$	...	15/-	"
VR/394a	1	" $1\frac{3}{4}" \times 16"$	...	22/-	"
VR/395a	Spare Needles, 3/- each				



VR/398

Similar to VR/394a pattern, but complete with 4-ft. Suction Hose.

VR/396a	$\frac{1}{4}$ -pint size	...	...	21/-	each
VR/397	$\frac{1}{2}$	"	...	22/6	"
VR/398	1	"	...	30/-	"
VR/399	Spare Needles, 3/- each				

SELF SUPPLYING BRINE SYRINGE.

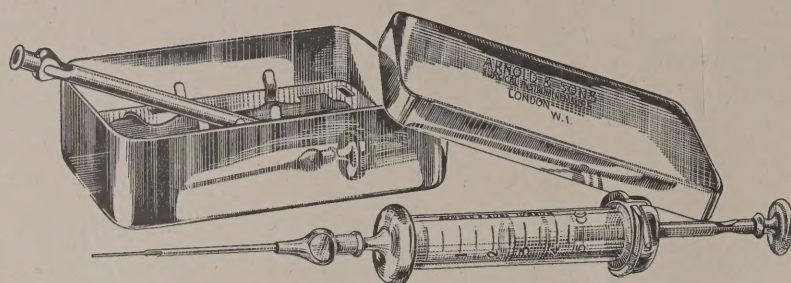


VR/400

CALF INFLATOR SYRINGE.

VR/400	Extra Strong Barrel, 2" x 18" Polished and Lacquered Brass with Stuffing Box, Black Handle and Nickel Plated Ball Valve Needle					31/6	each
VR/401	Spare Needles,					12/6	each

"RECORD" SERUM SYRINGES



VR/402

VR/402 RECORD SYRINGES (Foreign) Complete in nickel-plated case, as illustration.

Sizes	1 cc.	2 cc.	5 cc.	10 cc.	20 cc.
Prices	5/-	5/6	7/-	10/-	12/6 each
Sizes	25 cc.	30 cc.	40 cc.	50 cc.	100 cc.
Prices	21/-	27/-	30/-	37/6	50/- each

VR/403 RECORD SYRINGES, NAKED

Sizes	1 cc.	2 cc.	5 cc.	10 cc.	20 cc.
Prices	3/9	4/-	5/6	6/3	8/6 each
Sizes	25 cc.	30 cc.	40 cc.	50 cc.	100 cc.
Prices	13/6	21/6	22/6	30/-	34/6 each

VR/404 RECORD SYRINGE REPAIRS

Sizes	1 cc.	2 cc.	5 cc.	10 cc.	20 cc.
Prices	3/3	3/6	4/3	5/3	6/6 each
Sizes	25 cc.	30 cc.	40 cc.	50 cc.	100 cc.
Prices	10/6	13/6	15/-	16/6	24/- each

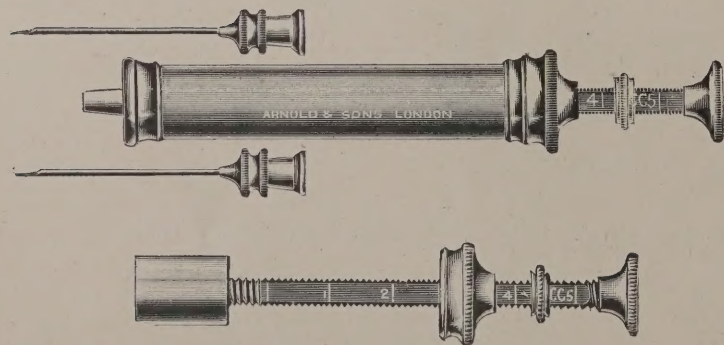
SIZE	LENGTHS	Carbon Steel		Stainless Steel	
		doz.	each	doz.	each
21 B.W.G.	$\frac{3}{4}$ " and 1"	9/9	10d.	12/9	1/1
20 B.W.G.	$\frac{3}{4}$ ", 1", $1\frac{1}{8}$ " and $1\frac{1}{4}$ "	9/9	10d.	12/9	1/1
19 B.W.G.	$\frac{3}{4}$ ", 1", $1\frac{1}{8}$ " and $1\frac{1}{4}$ "	9/9	10d.	12/9	1/1
18 B.W.G.	$\frac{3}{4}$ ", 1", $1\frac{1}{8}$ " and $1\frac{1}{4}$ "	11/6	1/-	14/6	1/3
17 B.W.G.	1", $1\frac{1}{8}$ ", $1\frac{1}{4}$ " and $1\frac{1}{2}$ "	11/6	1/-	14/6	1/3
16 B.W.G.	1", $1\frac{1}{4}$ ", $1\frac{3}{8}$ ", $1\frac{1}{2}$ ", $1\frac{3}{4}$ " and 2"	12/9	1/1	15/9	1/4
15 B.W.G.	$1\frac{1}{4}$ ", $1\frac{3}{8}$ ", $1\frac{1}{2}$ ", $1\frac{3}{4}$ " and 2"	14/6	1/3	18/-	1/7
14 B.W.G.	$1\frac{1}{4}$ ", $1\frac{1}{2}$ ", $1\frac{3}{4}$ " and 2"	15/9	1/4	19/6	1/8
13 B.W.G.	$1\frac{1}{2}$ ", $1\frac{3}{4}$ " and 2"... ..	16/6	1/5	21/-	1/11

"RECORD" FITTING NEEDLES

VR/405

For sizes and Lengths of needles see illustrations
of "Reliance" Fitting. Page 32

ARNOLD'S "ALL METAL" SERUM SYRINGE



VR/406

All Metal Serum Syringes, with finger grips, complete
with two Steel Needles in a metal case, superior
quality

VR/406	5 cc.	10 cc.	20 cc.	40 cc.	50 cc.
	20/-	24/-	30/-	45/-	50/-

Ditto, Ditto, cheaper quality, foreign.

VR/407	5 cc.	10 cc.	20 cc.	40 cc.	50 cc.
	14/6	17/6	21/-	28/6	35/6
				each	

"RELIANCE" SERUM SYRINGES

VR/408

RELIANCE SERUM SYRINGES

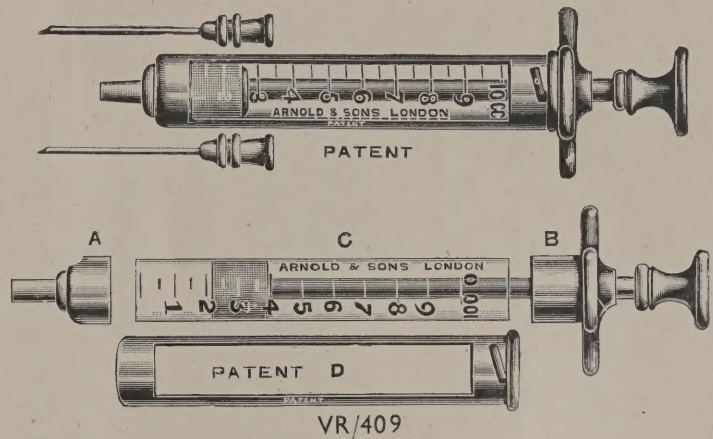
This Syringe is ideal for Tuberculin, Mallain, Tetanin, Rinderpest, and Glanders, it is supplied with two steel needles and spare asbestos piston, in nickel-plated case, complete.

The above illustration demonstrates the many advantages of this syringe over those commonly in use. The top illustration shows the various parts as follows: "A" Needle mount which fits snugly over the ground end of the barrel, "B" Plunger mount which fits the other end of the barrel, "C" The accurately graduated glass barrel, "D" Cover and Guard. The bayonet fastening at the plunger end enables this cover to hold the whole syringe firmly together. The lower illustration shows the assembled syringe. The push-on mounts make the syringe less fragile and more easily sterilizable. An adjustable asbestos piston is fitted.

VR/409

Sizes 5 cc. 10 cc. 20 cc. 30 cc. 40 cc. 50 cc. 90 cc.

Prices 25/6 30/6 34/6 59/- 61/6 65/6 90/- each

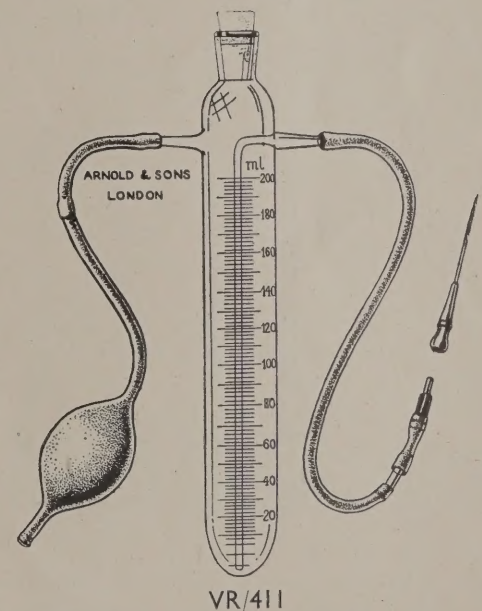


"RELIANCE" FITTING NEEDLES

VR/410

For sizes and lengths, see illustrations.

SIZE	LENGTHS	Carbon Steel		Stainless Steel	
		doz.	each	doz.	each
21 B.W.G.	$\frac{3}{4}$ " and 1"	10/6	11d.	14/6	1/3
20 B.W.G.	$\frac{3}{4}$ ", 1", $1\frac{1}{8}$ " and $1\frac{1}{4}$ "	10/6	11d.	14/6	1/3
19 B.W.G.	$\frac{3}{4}$ ", 1", $1\frac{1}{8}$ " and $1\frac{1}{4}$ "	10/6	11d.	14/6	1/3
18 B.W.G.	$\frac{3}{4}$ ", 1", $1\frac{1}{8}$ " and $1\frac{1}{4}$ "	12/-	1/1	15/9	1/4
17 B.W.G.	1", $1\frac{1}{8}$ ", $1\frac{1}{4}$ " and $1\frac{1}{2}$ "	12/-	1/1	15/9	1/4
16 B.W.G.	1", $1\frac{1}{4}$ ", $1\frac{5}{8}$ ", $1\frac{1}{2}$ ", $1\frac{3}{4}$ " and 2" ...	13/6	1/2	17/6	1/6
15 B.W.G.	$1\frac{1}{4}$ ", $1\frac{5}{8}$ ", $1\frac{1}{2}$ ", $1\frac{3}{4}$ " and 2"	15/-	1/4	18/8	1/7
14 B.W.G.	$1\frac{1}{4}$ ", $1\frac{1}{2}$ ", $1\frac{3}{4}$ " and 2"	16/6	1/5	20/6	1/9
13 B.W.G.	$1\frac{1}{2}$ ", $1\frac{3}{4}$ " and 2"	17/6	1/6	21/-	1/10



VR/411

SIR STEWART STOCKMAN'S ANTI-ABORTION SYRINGE

Modified by Arnold Spicer, F.R.C.V.S., for the sub-cutaneous injection of large quantities of normal saline or other fluids. Consisting of a graduated glass flask capacity 200 c.c. with india-rubber bellows 4 ft. of tubing and needle. Complete £1 1 0

VR/412a Ditto Fitted with Lang's needle. £1 7 6

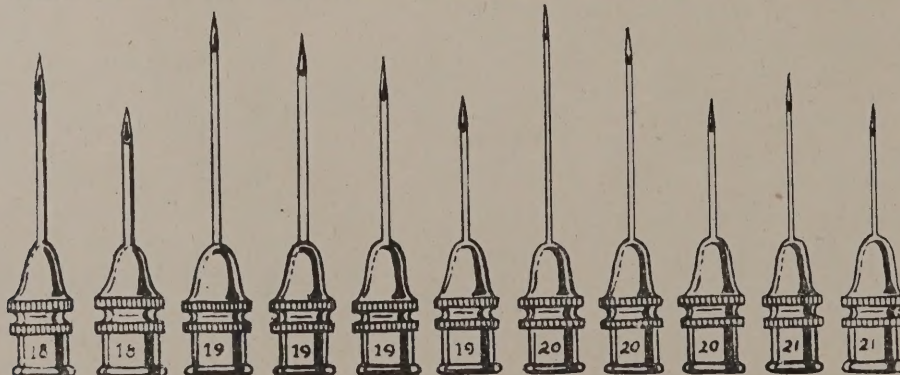
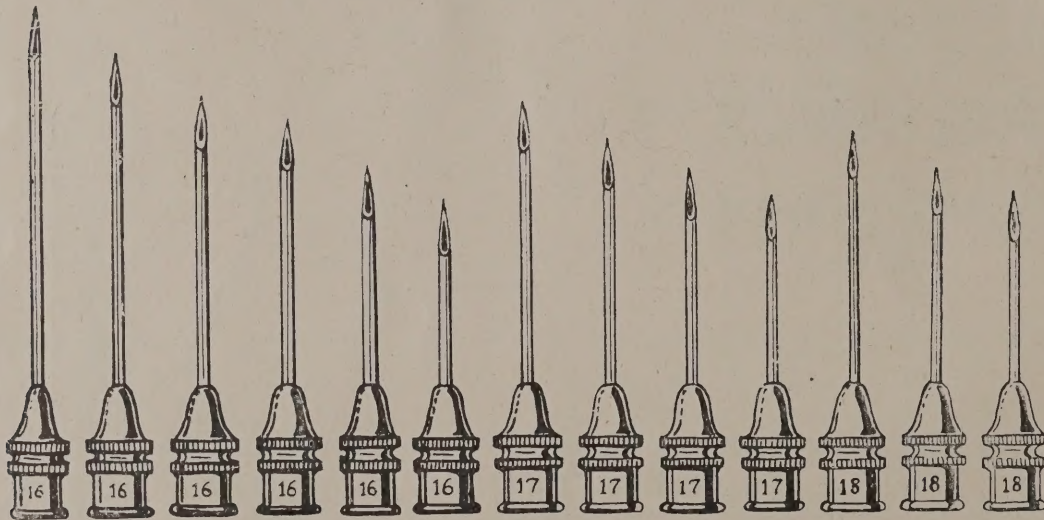
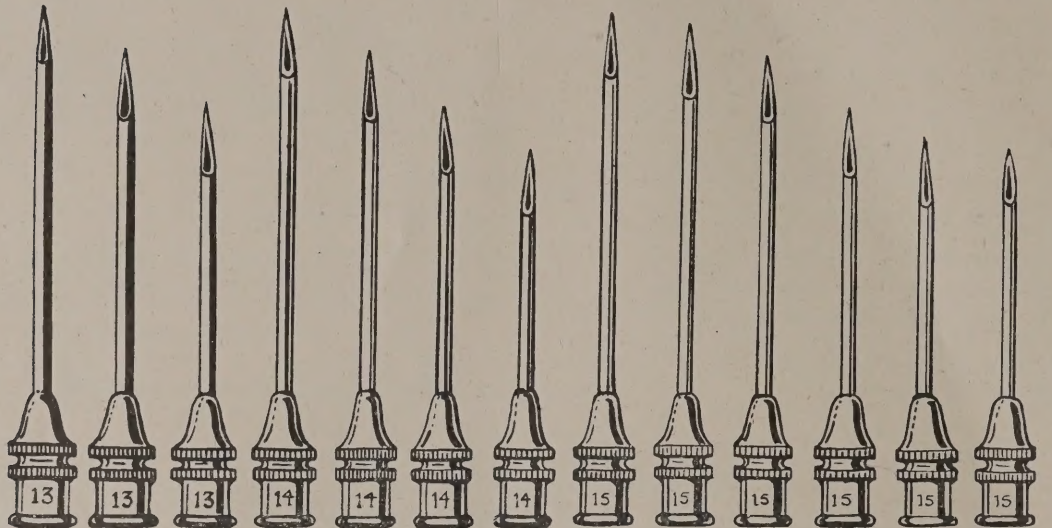
ARNOLD & SONS

ENGLISH HYPODERMIC NEEDLES

RELIANCE FITTING

VR/401a

B.W.G. Sizes.

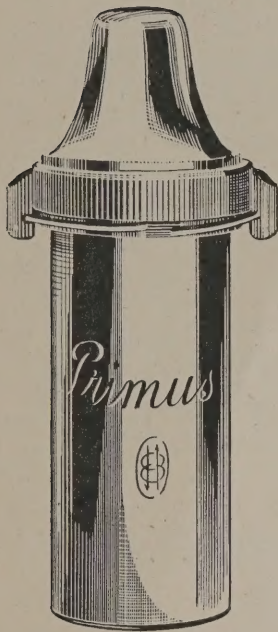


ARNOLD & SONS

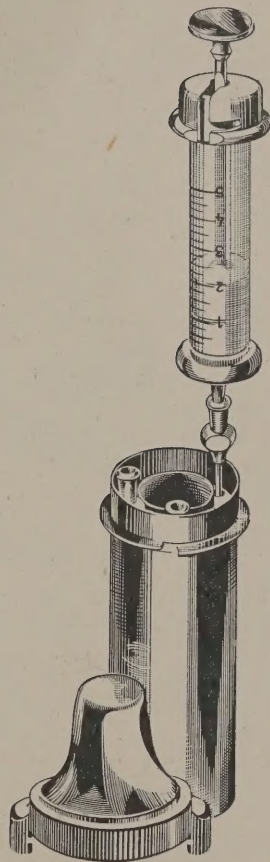
"PRIMUS" POCKET OUTFIT

Latest Model completely Spirit Proof.

(Foreign).

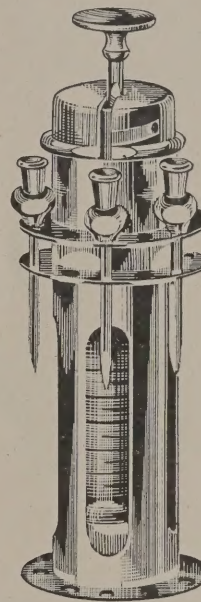


The "Primus" case closed and in upright position.

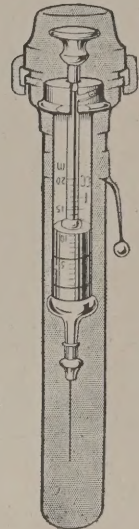


VR/413a

"Primus" case with locking lid removed. Showing how needle fits the syringe without handling when removing from spirit.



Showing Syringe and Needles in position.

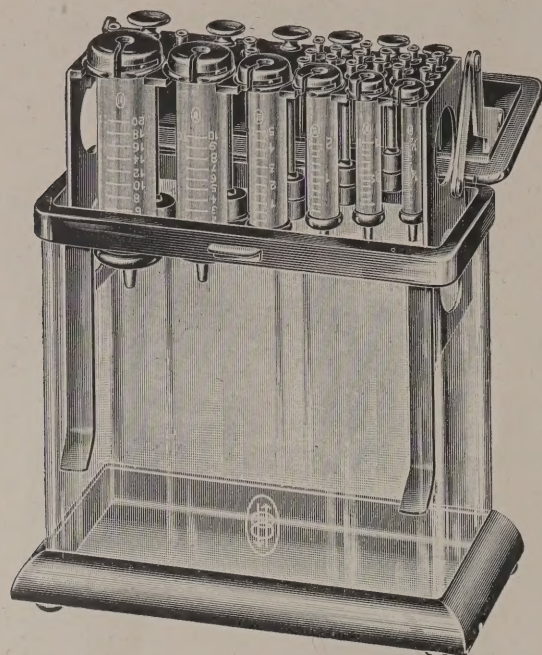


VR/414a

The all metal case is strongly constructed, and so designed that when the all metal locking lid is fixed the "Primus" can be carried in any position without fear of leakage. The outfit provides the Surgeon with sterilized syringe and needles always ready for use. There are no rubber washers.

"PRIMUS" POCKET OUTFIT			Comprising Spirit Proof Metal Case, 1 Record Syringe and 3 R.F. Rustless Needles.				
VR/413a	Size No.	1	2	5	10 cc.	20 cc.	50 cc.
		15/-	16/6	18/9	21/-	24/-	45/- each
VR/414a	"AMBULANT" Spirit Proof Improved Outfit with Pocket Clip complete with Record Syringe 1 cc size and Rustless Needle 9/9 each						
VR/415a	Ditto	ditto	2 cc. size and Rustless Needle 11/6 ..				

The above Cases are supplied Chrome Plated at slightly additional cost.



(Foreign)
VR/416a

The "ALCOHOL" Outfit, Rubber lined top, making the container Spirit Proof. Containing set of Record Syringes and Needles.

VR/418a

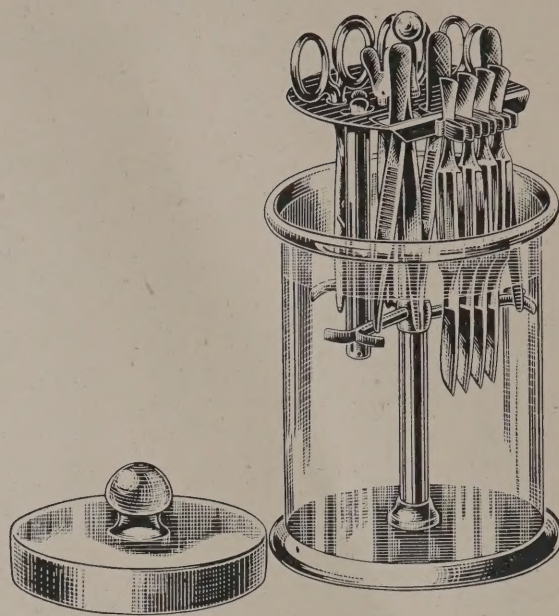
Alcohol Outfit comprises : One Tuberculin Record Syringe and set of five Record Syringes, 1 cc., 2 cc., 10 cc., and 20 cc., 20 stainless needles.

£4 15 6 each

VR/420a

Ditto without Syringes. £3 3 0 each

The Glass Reservoir is firmly fitted into the metal base. Metal plated lid, rubber-lined. Improved metal stand holding syringes and needles, fits into the reservoir. This stand is fitted with self-adjusting bars, which automatically drop into position when the stand is removed from container. The complete set rests on top of the reservoir in perfect safety.



(Foreign)

VR/417a (Registered Pattern).

The "STERILE" Outfit, showing Adjustable Rack, fitted with Instruments. Ready for use.

VR/419a

"STERILE" Outfit, complete without Instruments.

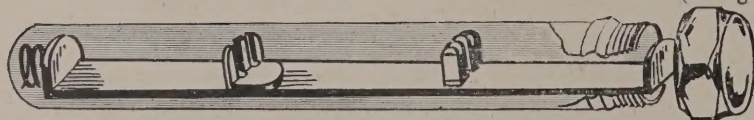
£1 17 6

"Sterile" Outfit, comprising Glass Reservoir fitted with spirit-proof lid and self-adjusting metal stand. The patent locking device on this stand firmly fixes same, enabling user to remove easily, required instruments.

Instruments always sterilized and ready for immediate use.

STERILIZER SPIRIT PROOF METAL CASES

(Foreign)



VR/421a

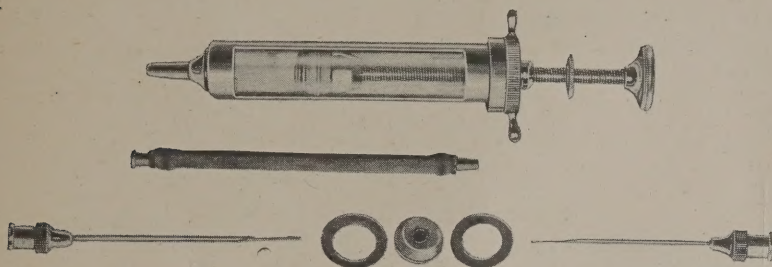
"SCALPEL" Case, all metal, plated, with removable rack to hold two knives 9/6 each



VR/422a

"BARD PARKER" all metal, plated, with removable rack to hold handle and blades ... 11/6 each

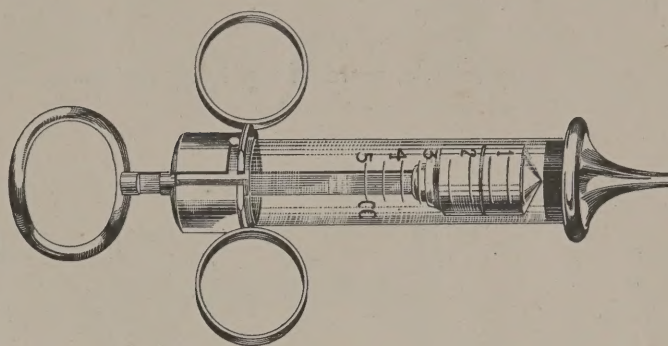
ARNOLD & SONS



VR/423a

Roux's Subcutaneous Syringe, with 2 Needles, spare plunger and two washers, complete in nickel-plated case. VR/423a

5 cc. 10 cc. 20 cc. 30 cc. 40 cc. 50 cc.
14/6 16/9 19/9 22/6 25/9- 33/- eac,
Please note that 40 cc. and 50 cc. Syringes are fitted with ring handles.



VR/424a

Record Syringe, 5 cc. with two needles, complete in metal case. VR/424a

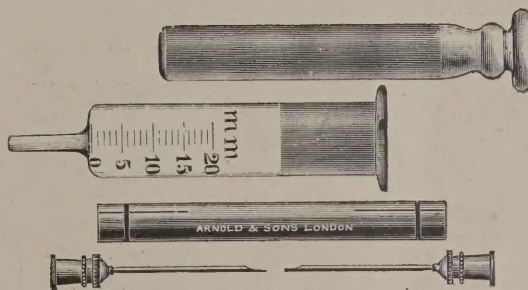
11/6 each



VR/425a

Veterinary Needle. Made from one piece of steel. Suitable for animals with a thick hide. As used by the Sudan Government. VR/425a

3/6 each



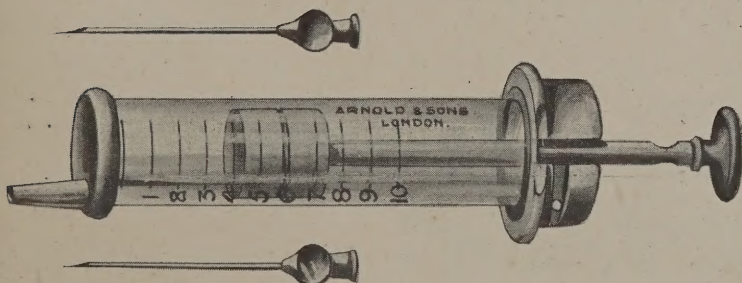
VR/426a

All Glass Hypodermic or Serum Syringes, 2-piece with 2 needles, complete in nickel-plated case. 1 cc. or VR/426a

20 min. 2 cc. 5 cc. 10 cc. 20 cc. 30 cc. 50 cc.
3/- 3/6 5/9 6/9 9/- 1/6 27/- each

Syringes only. VR/427a

1 cc. 2 cc. 5 cc. 10 cc. 20 cc. 30 cc. 50 cc.
2/- 2/6 3/- 4/- 5/- 8/6 13/6 each



VR/428a

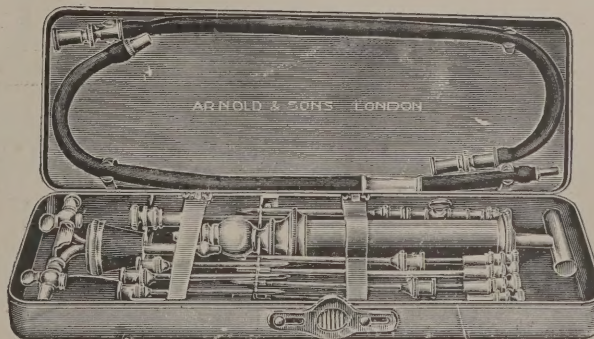
Record Syringe with peripheral or eccentric Nozzle complete in metal case with two needles.

1 cc. or VR/428a

20 min. 2 cc. 5 cc. 10 cc. 30 cc.
5/6 6/- 8/9 10/6 13/- each

Syringes only. VR/429a

1 cc. or
20 min. 2 cc. 5 cc. 10 cc. 20 cc.
4/- 4/4 5/6 7/6 9/6 each



VR/430a

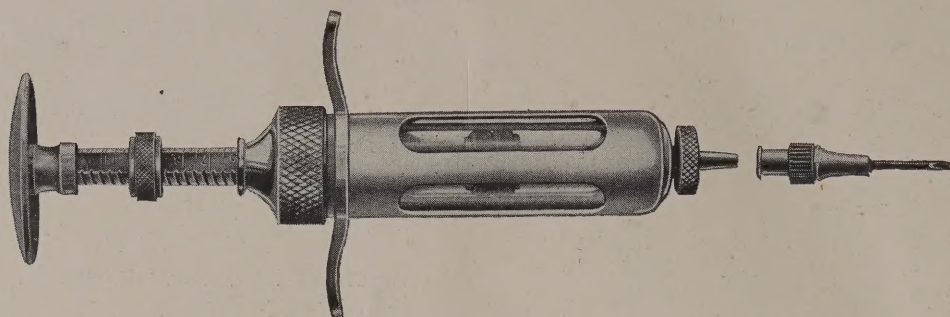
Potain's Aspirator, complete, nickel-plated (Pump with metal plunger).

67/6 each

ARNOLD & SONS

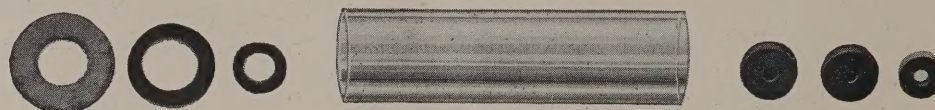
SAXON DURITY SYRINGES

Very reliable, extra strong, heavy resistance Glass Barrels, British Manufacture.



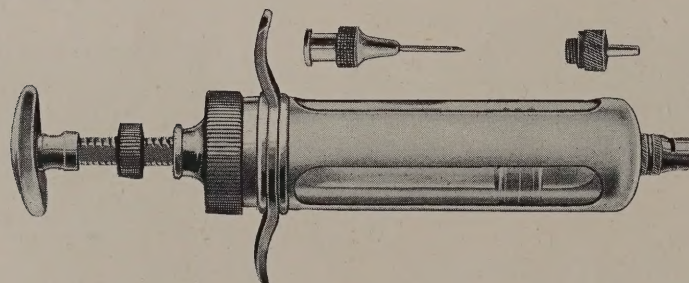
VR/383

VR/379	10 cc. complete in box, with 2 needles, spare plunger and washers, complete	...	35/6	each
VR/380	20 cc. Ditto		42/-	"
VR/381	25 cc. Ditto		49/6	"
VR/382	40 cc. Ditto		55/-	"
VR/383	50 cc. Ditto		59/6	"
VR/384	Syringes only—10 cc., 30/- ; 20 cc., 33/- ; 25 cc., 37/6 ; 40 cc., 42/- ; 50 cc., 47/6 each			



VR/385	Spare Barrels for above—10 cc., 2/7 ; 20 cc., 3/6 ; 25 cc., 4/6 ; 40 cc., 5/6 ; 50 cc., 6/6	each
VR/386	Spare Needles for above	3/6 each
VR/387	Spare Plungers and Washers	2/6 set

ARNOLD'S HOG CHOLERA SERUM SYRINGE.



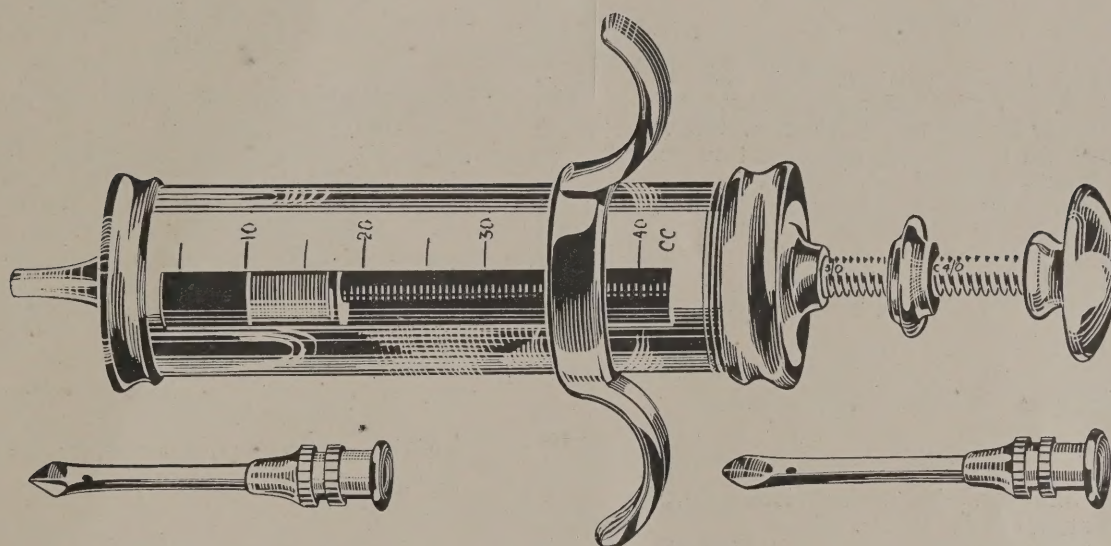
VR/388

VR/388	With Rubber expanding plunger, complete in case with two needles, spare plunger and washers.	...	70/-	each
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The syringe can be easily taken to pieces for cleaning, and spare parts can be supplied when required.

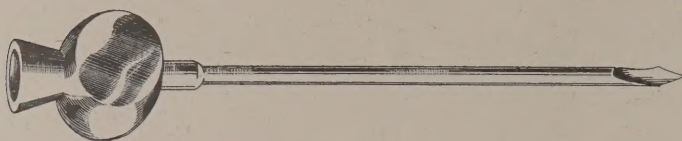
ARNOLD & SONS

KENNEDY SYRINGES



VR/390

VR/389	Kennedy's Syringes, 40 cc. capacity, glass barrel with metal jacket, finger bars, and graduated rod, fitted in metal P.O.L. Case with Two Trocar pointed Needles, lift out rack, as supplied to the Crown Agents for the Colonies							72/-	each
VR/390	Ditto	Ditto	Ditto in hinged metal cases	...	...	...	...	99/-	„
VR/391	Spare Barrels for above							3/6	„
VR/392	India-rubber Plungers for above							1/6	„
VR/393	Kennedy's Syringes, 20 cc. capacity, glass barrel with metal jacket, finger bars, and graduated rod, fitted in metal P.O.L. Case with Two Trocar pointed Needles, lift out rack, as supplied to the Crown Agents for the Colonies							45/-	„
VR/394	Ditto	Ditto	Ditto in hinged metal cases	...	...	...	...	52/6	„
VR/395	Spare Barrels for above							2/-	„
VR/396	India-rubber Plungers for above							1/-	„



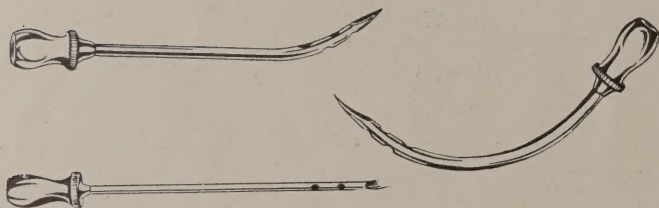
VR/449

Lang's Needle (Danish pattern), used with Sir Stewart Stockman Anti-abortion syringe improved by Arnold Spicer for intravenous injection. Owing to its calibre the fluid readily gravitates into the vein. See *Veterinary Record*, July 18th, 1936. Lang's Needle for Intravenous Injection. 5/6 each



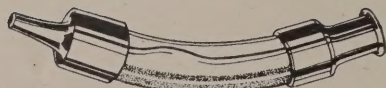
VR/452

Sir Stewart Stockman's Intravenous Needle, with tubing mount, 4/6 each. VR/452
Sir Stewart Stockman's Stainless Steel 5/6 each.
Without Tubing Mount 9d. each less VR/453



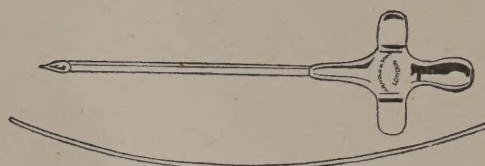
VR/455

Infusion Needle, Straight, curved, or half curved. 1/9 each



VR/457

Needle Adaptor (Prof. McCunn's), curved glass and metal mounts to fit Record Syringes, 3/6 each



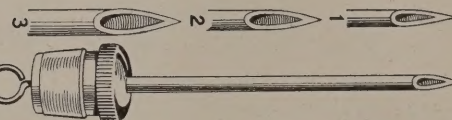
VR/450

Intravenous Needle, nickel-plated winged mount, VR/450
ordinary steel, 5/- each; Stainless Steel, 5/6 each VR/451



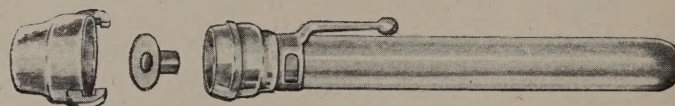
VR/454

Infusion Canula, with fixed bulbous end to attach tubing and lancet point, 5/6 each.



VR/456

Bleeding Needles in Glass Tube, 3 sizes, 5/6 each



ARNOLD & SONS LONDON

VR/459

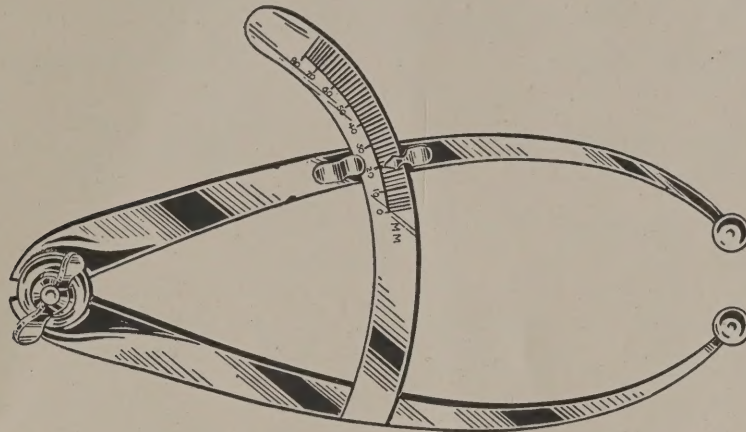
VR/458 Geoffrey Brookes' Epidural Needle, 7/6 each

VR/459 Needle, complete with Spirit Proof case, 21/6 each

See *Veterinary Record*, 11th May to 8th June, 1935, also supplement to the *Veterinary Record*, 12th September, 1936.

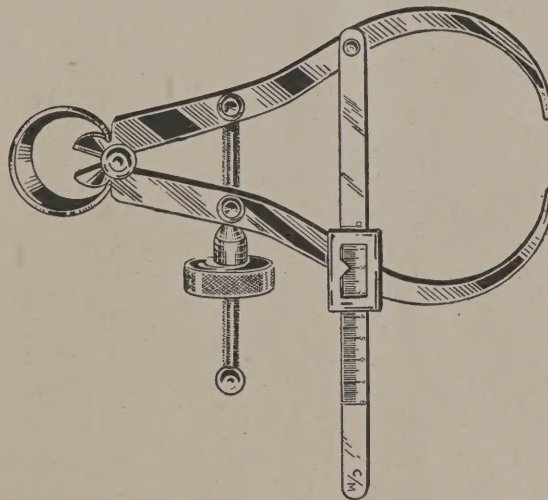
ARNOLD & SONS

INTRADERMAL CALIPERS

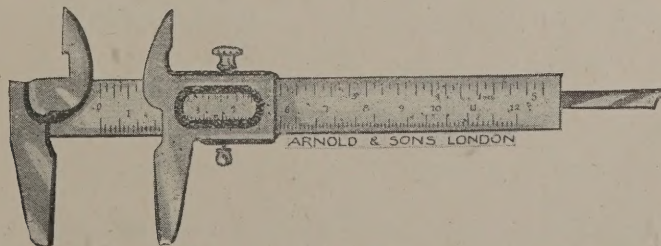


The ARNOLD'S Superior Quality Pattern with

VR/460	Ball Points	...	...	...	...	15/6 each
VR/461	ditto	ditto	ditto	ditto	cheap pattern	9/6 each

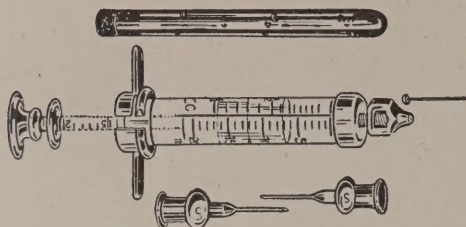


VR/462 COLEMAN'S Pattern, with fine adjustment screw 18/6 each

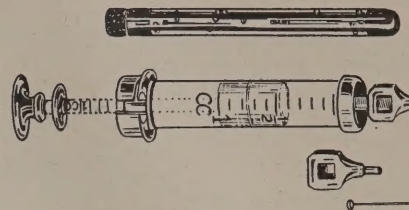


VR/463 Intradermal Caliper, combined pattern, for external and internal measurement 10/6 each

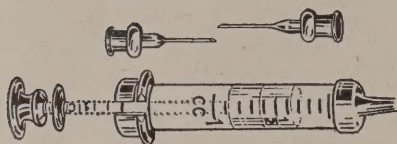
INTRADERMAL SYRINGES



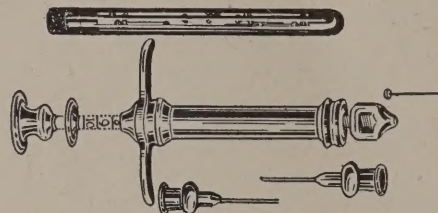
- VR/412 Bishop Young's Pattern fitted with finger grips. Schimmel's Needles and two screw-on Needles. ... 14/6 each
 VR/413 Tubes of Schimmel's Needles 1/- each
 VR/414 Screw-on Needles ... 1/6 "



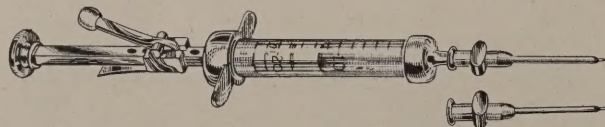
- VR/415 Coleman's Pattern Intra-dermal Syringe, fitted with Schimmel's Needles, complete in case ... 12/6 each
 VR/416 Tubes of Schimmel's Needles 1/- each



- VR/417 Arnold's Ordinary Pattern Intra-dermal Syringe, complete in case ... 10/6 each
 VR/418 Spare Needles, plug on 8/6 doz.



- VR/419 Arnold's All Metal Pattern Intra-dermal Syringe, fitted with cross bar grips (finger), Schimmel's Needles, and two Screw-on pattern Needles, complete in case ... 14/6 each
 VR/420 Tubes of Schimmel's Needles 1/- each
 VR/421 Screw-on Needles ... 1/6 each

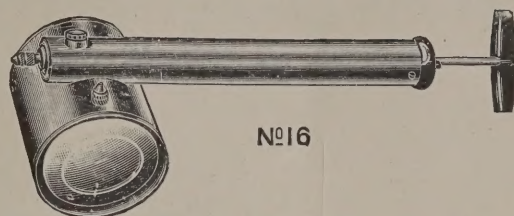


8. Dr. Scott's Intra-dermal Syringe, with special graduated Piston Rod, with a Spring catch adjustment, which regulated doses of 2 minims, complete in case with two Special Needles, length of which are 2 mm. and 2 3/4 mm. long, with reinforced mounts.

- VR/422 The length of needle is such that it will only penetrate far enough into the skin for a perfect Intra-dermal Test, complete ... 32/6 each
 VR/423 Spare Needles for the above, in two sizes, 2 mm. long, 2 3/4 mm. long ... 2/- each

- VR/424 Intra-dermal Syringes, Washerless, complete in metal cases, with tube of 6 Intra-dermal Needles, glass barrels, 1 cc. capacity (Dental Syringe) ... 30/- each

ARNOLD & SONS



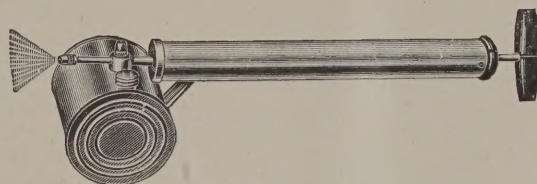
No 16

VR/424

Capacity $1\frac{1}{2}$ Pints.

This Atomizer works on the principle, being continuous from the down stroke of plunger, Container is not detachable ; separate cap being provided for filling purposes, also cap for taking out ball Valve for cleaning purposes. Liquid tube can be drawn out through nozzle for cleaning purposes after unscrewing spray cap. Two spray nozzles are provided. One for straight spraying, and the other for angle spraying to get underneath the leaves, etc.

VR/424	All Brass Pump and container, polished and lacquered	...	...	...	...	...	...	...	...	12/6	each
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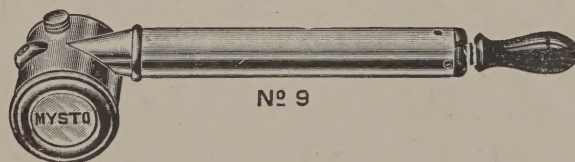
VR/425

Capacity $1\frac{1}{2}$ Pints.

This Sprayer works on the same principle as the No. 16 Atomizer, and is supplied with two Spray Nozzles, one for straight Spraying, and the other for angle Spraying to get underneath leaves, etc.

VR/425	Plain Tin Plate	...	...	...	...	...	...	...	...	...	...	8/6	each
--------	-----------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------

VR/426	Polished and Lacquered Brass	...	...	...	...	...	...	...	...	...	...	12/-	„
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No 9

VR/427

SOVEREIGN PATTERN SPRAYER.

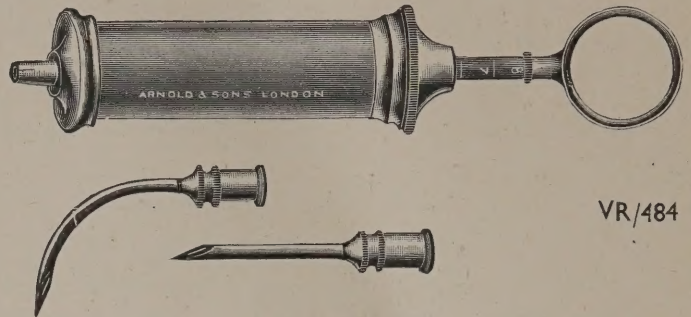
										1 Pint	2 Pints
VR/427	Plain Tinplate	...	...	...	...	...	...	...	...	2/-	2/6 each
VR/428	Stove Enamelled Dark Green	...	...	...	...	...	...	...	...	2/6	3/- „
VR/429	Plain Galvanized	...	...	...	...	...	...	...	...	3/-	3/6 „
VR/430	Polished and Lacquered Brass	...	...	...	...	...	...	...	...	6/-	8/- „

INTRA-TRACHEAL SYRINGES

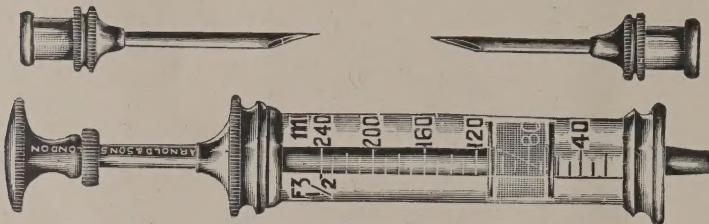
For the treatment of Husk or Hoose in Calves and Lambs

VR/484

A simple Intra-Tracheal Syringe with plated metal barrel and piston ; supplied in nickel plated case, complete with curved and straight needles, capacity 1 oz. 17/6 each



VR/484



VR/485

VR/485

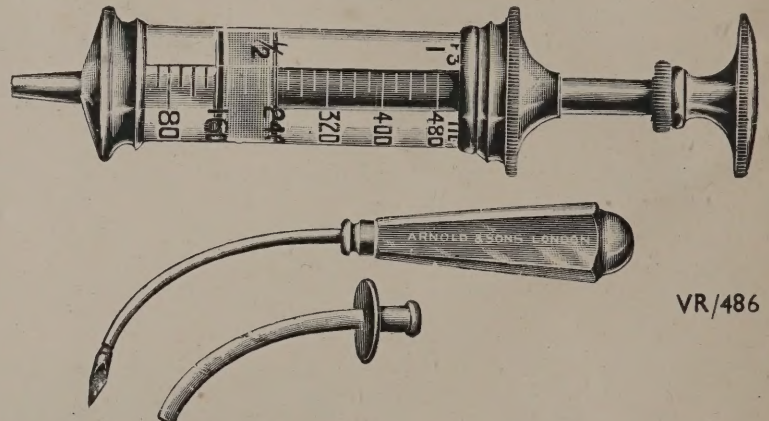
THE "ARNOLD" INTRA-TRACHEAL SYRINGE

Accurately graduated glass barrel with asbestos piston. Supplied in nickel-plated case, complete with two needles and spare piston, capacity $\frac{1}{2}$ oz. 240 minims. 30/-

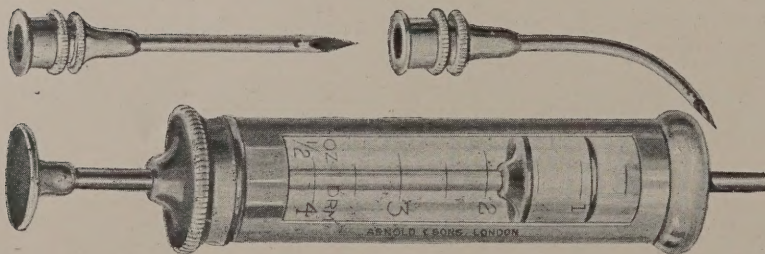
VR/486

POULTON'S INTRA-TRACHEAL SYRINGE

Glass barrel accurately graduated up to 1 oz./480 minims with asbestos piston complete in a nickel-plated case with trocar and canula in metal handle and spare piston £2 3 6



VR/486



VR/487

VR/487

ARNOLD'S INTRA-TRACHEAL SYRINGE With Side Bars.

Glass barrel accurately graduated to $\frac{1}{2}$ oz./240 minims, complete in a nickel-plated case with curved and straight trocar pointed needles and spare asbestos piston £1 13 0

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